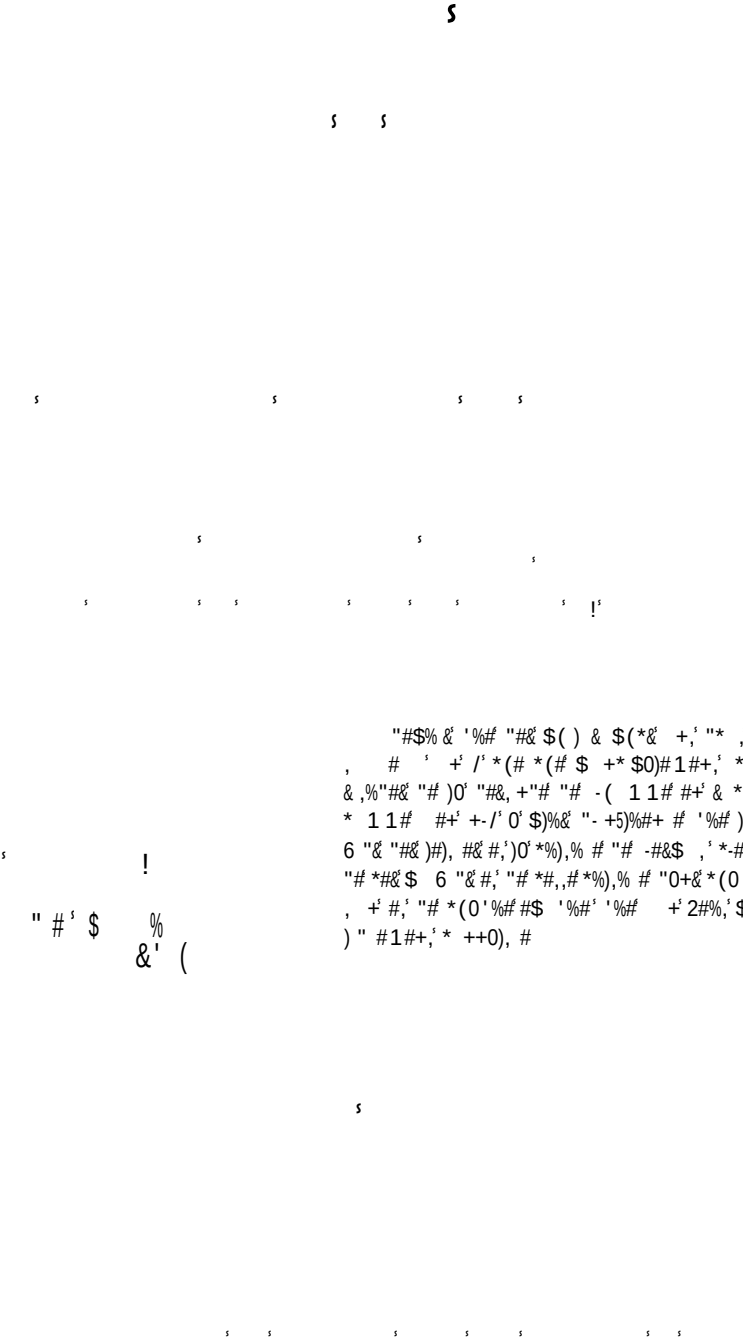
00035117

Digitized with financial assistance from

on 15 October, 2018



ʃ ʃ

; < = =9

ʃ ʃ ʃ ʃ ʃ ʃ ! ʃ "# ʃ# ʃ$ % ʃ &ʃ# ʃ ' (% ʃ ʃ ʃ
! ʃ) ʃ *+ ʃ ʃ+$ ʃ ! ʃ &ʃ$, & ʃ) -# ! &--ʃ ! ʃ)) ʃ ʃ ʃ
& & ʃ " ʃ ʃ% ʃ+ -

>? 0,

)

01 &ʻ * 1 ʻ #$ "%H " ʻ 0'% ʻ ʻ '%#ʻ " &&#1 &ʻ + &ʻ$) 6 &ʻ 0+,# #&ʻ #1ʻ 10,# 0ʻ "#ʻ 06 0"#* 1#+, ʻ #ʻ &%$$) *0ʻ "#ʻ 6#+# &0ʻ +"%)6#+* 0

#ʻ B 1ʻ 6 0" ʻ #$#, 01 &ʻ #&&0&ʻ #G$ #&& #&ʻ & +*# 0&ʻ #ʻ #&.ʻ $# , &0&ʻ 10&ʻ $ #" 1 +0 #1ʻ + && ʻ 0+ 1 ʻ ʻ #*# ʻ "#ʻ #+50"0 ʻ &ʻ)# , #&

&B 0ʻ %,%B ʻ "#ʻ 7898

ſ ſ ſ ſ

ſ (. ſ ſ ſ / 0

> ?ſ ſ 1@- ſ ſ AA

B ſ ſ ſ ſ AC7> ACD7

1 ſ 2 ſ ſ ſ ſ ſ ſ
ſ 3 ſ -ſ ſ

B' / ſ ſ "

" . "ſ 2 **+ . "*ſ -"ſ -01ſ 2"ſ $" . "ſ 3 (ſ " . "*ſ ";# /02) ſ 0ſ #+*+#30#ſ ,0#0 ſ"ſ 3 ſ 0ſ #+*$0- +ſ +ſ . 0 *ſ 0341$020ſ +8,"* /0"ſ 2"ſ 0**4 . ,$"ſ 94+ſ +- ſ '+$0#0 . "*ſ ſ ſ ſ ſ 2"ſ #+ -02"ſ 20ſ *+- :"#0ſ ſ 0#ſ 0ſ

"#ſ +**+ſ . "$ 3+ſ 20 . "*ſ '" . +/"ſ 0"ſ ,#+*+-$+ſ 3"14 . +ſ '" . ſ 0ſ '"-$ ſ -40/0"ſ 2"ſ #0+* . "ſ 0**4 . ,$"Eſ 0,#"3+ $0-2"(ſ ,"#6 . (ſ +*$0ſ ", ,"#14- 202+ſ ,0#0ſ . +-' -0#ſ 01/4-*ſ F"#-0+*(ſ 94+ſ -0ſ "#2+#0ſ 01, :0;+$ '0ſ *0"ſ 0-$+# " ſ #+*ſ 0"ſ 41$. "ſ 2"ſ #+ +# 2"ſ $" . "ſ 3 (ſ +ſ 94+ſ -"*ſ " ſ . ,"** 3+1ſ 0G+#ſ +- ſ $#0#ſ -0ſ ,# . + #0ſ *+# +ſ H

/"#0ſ ,#"*+/4 #+ . "*(ſ *+ . ſ -$+##4 , / "(ſ 0*ſ -"$ ' 0*ſ #+10$ 30*ſ 0"ſ F" . 01 * . "Eſ 023+#$ -2"ſ -"30 . +-$+ſ 94+ſ -0"ſ ,"2+ . "*ſ 1 *"-F+0# -"*ſ 2+ſ 0,"-$0#ſ $42"ſ 940-$"ſ :0ſ -5+*$0ſ +*,+' 01 202+Eſ +ſ 94+(ſ ,"#ſ ;#+3 202+(ſ -"*ſ #+*1# -/ . "*ſ 0 ;#+3+*ſ -2 '0/"+*ſ 2"*ſ $ $41"*ſ 2"*ſ ,+# "2 '"*(ſ 20$0ſ 20ſ *40ſ ,4;1 '0/0"(ſ .ſ 0ſ 94+ſ *+ſ ,#","G+#0 . (ſ +ſ #0, 20ſ 0,#+' 0/0"ſ 2"ſ *+4ſ . +ſ #+' . +-$"

0 4 -4 . + . A7 2+ . 0 2 2+ AC>C

? 2 **+#0#0 "* #+20'$"#+*(-0" -0*'+ 1:" 20 +*,+'410/0"(+ 4 . F"#-01 -0" $+ . 0 . /"*E . 0* 2+*+F0 -0" '#+0# - . /"*E ,#"'4#0#0 *+# 41 1 -*$#4'$ 3" +0/#0203+1(+ -5+*$0* $#+* ,0103#0* ' #0 *+ " *+-3+#202+ #"(" *+0 .+11 "# ,#"/#0 . . 0

#" . +$$ 0 . $#0G+# +#0 '020 -4 . +#" ,+1" . +-"* 4##0 ;"0 /#03 #0(+ 2 1 /+-' 0#(,"# $"2"* "* #0+ "* 0" *+4 01'0-'+(K0'0##+$0# 01/4#00 ,+ 2#0 ,0#0 0 '"-*$#4'/0" 25+**+ ;+11" +2 ' " -0' "-01 ':0 . 02"

!

" !

? A L -4 . 5 *0 4 + . I C 2H F4-:" 2+ AC7C 4;1 '030 *+ -"* 2" . -/"* + 94 -$0* + #0*

#" . +11 0 *+#4 . 0 *+-$ -+110 3 / 10-$+(*+ . ,#+ 01+#$0E 0*, #0-2" 0 *+# 4$ 1 -" *+#3 '" 20 '04*0 20 0#$+ 2#0 . 0$ '0(2"* 0#$ *$0* + 2"* :" . +-* 2+ 1+$$#0*

. ;"*94+F" 0-01N$ '" 2"* 2 3+#*"* $:+0$#+* '"-*$ $4 # 0 0 ;0*+ 2"* $#0;01:"* 2"* #+20'$"#+*E + ,#" . +$$ 0 . +*$+* *+# '" . . +2 2"* + . "2+ #02"*(*+ ,"#3+-$4#0 -0" "**+ . ,#"3"'02"* 0 + . ,#+/0# 01/4#00 0'# . "- 0

. 1 +11" ,+-*0 . +-$" +8,#+**030 . +11+*(940 +#0 " *+/4 -$+< K * +*,+'$0'41"* $"#-0 . *+ 4 . 0 -+'+** 202+(+ . ' :+/0-2" "* ,"3"* 0 4 . '+#$" /#04 2+ ' 3 1 *0/0"E 0,#+*+-$0 . " 9402#" 2+ $"20* 0* ,0 8"+*(0 G+-2" ,0**0/ ,0#0 0 01 . 0 2" +*,+'$02"# 4 . 0 ,0#$+ 20* *+-*0/"+* 94+ 0/ $0 . " "* ,+#*"-0/+-* 2" 2#0 . 0(+ +8+#'+#0 3+#202+ #0 - 14+-' 0 *" ;#+ "* '"*$4 . +* 2+ . 4 $"* ' 2020"* #+4- 2"* ,+10 '4# "* 202+("4$P+1" 0$#0'$ 3" 2" ,#0G+# Q

$ '0 ,"# 3+G+* *+3+#0 + 0,0 8"-020

+*$+(,"4'" . 0 * "4 . +-"*(" '"-'+ $" 94+ -"* ,0#+'+ 2+3+# "# . 0# *+ 2"* F"#-0+* '"-*0/#02"* 0"* 0**4 . ,$"* 2" $:+0$#+ -5+*$+ ,+ # "2"

. $"2"* +11+* *+ +-'"-$#0 . 01/4 . 0* -"$ ' 0* '4# "*0* 0'+#'0 2" $:+0$#" + . /+#01(+ 0 #+*,+ $" 2+ 0'$"#+* + 0'$# G+* . 0 * "4 . +-"* '+ 1+;#+*E . 0* 0 *+/4 -$+ ,0**0/+ . (94+ + . 4 . 25+11+*(+-'0 . -:0# "* -"**"* 1+'$"#+* ,0#0 2+*'";# # " 940-$" 2+ ,0 80" + ,0#' 01 202+ :""3+ -0$4#01 . +-$+ -5+**+* F"#-0+*<

K -"30 '"#0,0-: 0 $01 0-0(+*'# ,$4#020 ,+1" *# "#$"(-0" ";R *$0-$+ $+# * 2+ 0, ,1042 20 +#0 $"2"* "* $:+0$#"* 20 4#",0(+#0 " 013"

94+' *+' 2+3 0' *4 , , "# +*' "1: 2"' ,+1"*' '# 1 ' "*' 2"' $: +0$#"E ' "- *" "*' +*10 ' 30 . "*' -2*' 2+' 94+' -0"' 01$0# 0' 94+ . ' '+-*4#0**+' "*' 02"*' 20' + . ,#+G0'
" . +*' . 0(+' ,#+$+-2+**+' 2+*0'#+2 $0# 0' " . , 0 - : 0E +' + +'$ 30 . +-1+' 0** . ' 0' "-$+'+4 S

-20' . 0 *' . ' I?' 2+' 0/"*1"' 2"' #+ +# 2"' 0 - -"' 2+' AC7C' *0 4' 4 . ' *4 , ,1+ . +-$"' 0"' - 4 , ' AC' 20' ' 0** . ' '"- '+; 2"<

0T+-2"') *02"(' " . "' 3+ . "*' 20*' 2+'10#0' "+*' 0 ; 0 8"' $#0-*'# ,$0*(0' /4+##0' 94+' 0"' :+0$#" ' 20' 40' 2"*' "-2+*' 0G 0' "' # $ ' 0'
' 94+' 2+3+' 0' *40' 0, , 0# ,0"' 0' +*$0' /4+##0(2+ 80# ' $0 . ; + . ' 2+' 0, , 0#+'+# + . ' 940-$"' -0"' "# -"30 . +-1+' ,#" "'020' 0"' ' " . ; 0$+' ,"# 094+11+' "4' "41#"' 940194+# F"#-01("-2+' ' " . ' 2+* /4#02 ;' +*1N1"(+' +-' " ' ;+#$"(*+' U, #+$+-20' ' "-1 -40# "' 94+' 01$0 . +-1+' *+' 0 #. 0' :03+# $+# . ' -02" S

' % ' & ' ' ' (
0$0' 2"' 0 - -"' 2+' AC>V
0' ( ) · 2 G 0 . ' "*' #+20'$"#+*< K . ' , : +-" . +-"' 94+' *+' "FF ' *+#30' -"*' 2" . -1"*' 20' * ' ; 0*$0#2' +11+' , 0#0' 0G+# 0' *40' 3+#202+ #0' 0, "1" / 0< ' ' ' ' ' ' ' ' * ' ' ' #
+#+'+ . "*' B2 G 0 . ' 2+, " * ' 0' ; +-+3"1+-' 0' 2"*' -"**"*' 1+ $"#+* ' -0"' $0-1"' "*' #4'1"*' 2+' 0 . ' 101+-1"' 0 ; 01 *02"(, ' ' ' ' ' * ' * ' . 0*' "*' 2+' 4 . ' ; " . ' 2+*+F"' 2+' '"- '"##+# . "*' , 0#0' 0' 114*1#0'0"' +' 2+' -"*' 114*$#0# . "*

2 *+' 2"' 41$. "' +-4-' 02"' 94+' "*' #+20'$"#+*' 20' ' % ' $ - : 0 . ' +-$0"' 0' -3+F03+1' +1 ' 202+' 2+' *+#+ . ' . "/"*E +' $0 . ; + . '*+' 3+' 94+' "*' - 10 . . 030' 4 . ' 1"4303+1' +-$: 4* 0* . "' -+10' '04*0' 20' -*$#4'/0"' 2"*' ,"3"*

0' -* ' % ' *+' -"*' 2+, 0#"4' 4 . ' $"'0-$+' 0#$ /"' -$ $4102"'
. ' 94+' 0** . ' $+# . -0<
4-'0' , "2+#+' *+# +1 G 940-2"' "# ; *+-/ 3+1' D*' 2+*/#0/0*' 2"*' "4 ' $#"*< 0 . "' "*' , "; #+*(94+' *0"' +11+*' "*' 94+' '"-$# ; 4+ . ' , 0#0' 0' . -: 0' 3+-$4#0< F4-1" "*' + . ' 1"#-"(2+' . . E 0/" 1: +*' "' ; + . ' 94+' , "**"E +' +11+*(2+##0#00-2"' 10/# . 0*' 2+' #++"- : +' . +-1"(#"/0 . ' , "# . . ' 0"' -$+' 4R , #+ . "(2+' 94+ . ' #+'+; ' $0"' *403+' , #+'+ $"' 2+' 0 . "# S
94 ' +' 0' "12' *+' +-'"-$#0#0' -"' . +* . "' , +# "2 ' "' 0#$ /"*' *"; #+' 0*' *4 . , $"*' -$+#+**0-$+*E 01/4 . 0*' -"$ ' 0*' $", "/#0, : '0*E , "+* 0E #" . 0-R '+*

- ʿ(ʿ ʿ&/'ʿ ʿ ʿ ʿ* ʿ 0

0$0 2"ʿ 0--"ʿ 2+ʿ AC>W

#",4";0 *+ʿ 0 $#0"*. $$ # 0"* 0#$ *$0* "* '"-:+' .+-$"* 94"ʿ :+* *0"ʿ -+'+**0# "* +ʿ 4$+ *

.0 ;+.ʿ $#0/020) ʿ+*$030 1 #+-1+ʿ 2"ʿ ,# .+#"ʿ -4.+#"E +ʿ 0:ʿ *+ʿ 0** /-01030 0 . **0"ʿ 94+ʿ 'ʿ #+20'$"# $".030 0 ‖ 00 '"-$0<

' +*'#+3+# "ʿ #+*4. "ʿ 2+ʿ 01/4-* '"-:+' .+-$"* 1:"* 20 ' 3 1 *0/0"(*+/4 # *+4ʿ 0-20.+-$"ʿ ,#"/#+** 3+ʿ 2+*2+ʿ "* $+.,"* ;0#;0#"* 0$+ʿ 0"* -"**"* 2 0*($"#-01 "* 'X#"* +ʿ 0,#+' 02"* 1 ."' ' 202+ʿ -24*$# 01 +ʿ 0#ʿ $ *$ '0('4F"* +*, # $"* *+ʿ 0':0#+.ʿ 0 -20 ,"4'"ʿ 114. -02"*(+ʿ" +#+'+#ʿ :+* 0* -"$ ' 0* +ʿ 0* -"30* ,#0$ '0* 4$+ * >* 0#$+* -24*$# 0+* *";ʿ "#R .0* .0 * 0'+ *< $01 *+#0 "ʿ .ʿ 2:094+110* 02 /0* 9 +0"ʿ G+1"ʿ +ʿ ,#"$+'ʿ -0"ʿ 2"* 0#$ *$0* ,"#$4/4+G+* #++2..+-20."* S

0"ʿ .4 $"ʿ 2+ʿ -"$0#(+ʿ ,#"43+#0 0 +"* 94+ʿ 2+ʿ '"-$ -4+ʿ +*$ 3+*ʿ *+.ʿ ,#+*+-$+* 0 '"-* 2+#0/0"ʿ 2+ʿ $0-$"* -$+#+**02"*(0* ʿ 2 ʿ 94+ʿ "ʿ #+20'$"# -*+# 4ʿ -"ʿ ,# .+#"ʿ -4.+#"ʿ 20 *40 "1:0 *+.0-01(* ʿ ʿ ʿ * ʿ ʿ * ʿ ʿ , , ʿ ʿ 1ʿ *+ʿ -* ʿ -4"4ʿ ʿ 94+ʿ +ʿ -+'+**0# "ʿ ,0#0 94+ʿ 4#-ʿ .+*$# ʿ2+ʿ" ' -0 ,"**0 *+# ";+ʿ 2+' 2"(#+*,+$02"ʿ +ʿ 0#002"ʿ 2"* *+4* ",+#0# "*E "ʿ '" ."ʿ 2+3+.ʿ :03+# *+ʿ +*$+* 41$."*E 0 '"-3+- +-' 0 2+ʿ 4.0 2 *'#+$0 2 3 *0"ʿ 2+ʿ $#0;01:"*E +$' " .,ʿ 0."*$#0 20 /#03 202+ʿ 2+ʿ $01 +*'# ,$"ʿ ' $0#+ -"* +*$+ʿ $#+':"< 0* " ' -0* 2"ʿ +*$02"ʿ +ʿ -0* 2"* ,0#$ '410#+* 94+ʿ 24#0-$+ʿ 0 .-:0 +./#0/0"ʿ 3 * $+ʿ +.ʿ -/10$+##0 +ʿ +.ʿ #0-/0(-"* 0#*+-0+* 20 .0# -:0 .1 $0# +ʿ .+ '0-$1(+.ʿ $"20 0 ,0#$+ʿ 3ʿ "* ",+#0# "* "''4,02"* +.ʿ *+4* #+*,+'$ 3"* $#0;01:"*(-0"ʿ 2+*3 0#+.ʿ "* "1:"* -+.ʿ .+* ."ʿ 0* '0;+/0*(,0#0 +-'0#0#+.ʿ "4ʿ 3+#+.ʿ 940194+# 3 * $02"# Q

-'"-$#0. *+ʿ -"ʿ - ʿ(ʿ ʿ -$+#+**0-1+* -"$ ' 0* *' +-$ '0* +ʿ ,#0$ '0* #+10$ 30* >* '" *0* 20 -24*$# 0

3 $ 24 ʿ&/'ʿ ʿ ʿ ʿ ʿ

0 4ʿ ʿ ,# .+#"ʿ -4.+#"ʿ +.ʿ AD 2+ʿ 0/"*$"ʿ 2+ʿ AC7C

?ʿ -".+ʿ 2:+*$+ʿ F"#-0 ʿ +ʿ 0 #+,#,24'/0"ʿ +.;1+.0$ '0 2+ʿ 4.0 03+ʿ 0** .ʿ ':0.020("4ʿ $0.;+.ʿ +/0 1"# "4ʿ '0 "#ʿ K 3+ʿ 2"ʿ #0* 1(2+ʿ +2#+* 1 -2 ** .0* '0.;0-$+*(4#-ʿ ; '"ʿ -"ʿ +ʿ 1"-/"(9ʿ 9401ʿ +11+ʿ .+$$+ʿ -0* 1"#+*(,0#0 :+* ':4,0# "ʿ .+1(2+ʿ 94+ʿ *+ʿ *4*$+-$0 Sʿ &5 ʿ # '

ʿ *+.+1:0-/0 2:+*$0 03+(2+'10#030.("* #+20'$"#+*(,#+$+-2+#+.ʿ ;4*'0# K940-$"ʿ :"43+**+ʿ 2+ʿ .+1:"# 2+-$#"ʿ 20 "#; $0 +.ʿ 94+ʿ *+ʿ ,#" ʿ ,"G+#0.ʿ / #0# H

* #+20'$"#+* $ - : 0 . ' -0 '"-$0 2+ . 4 $" ,#"3+ $"*" 0 . ' F"#-01(+ . ' 94+ 0 3 #$42+ *+ 03 3+ '" . ' +8+ . ,1"* :+#" '"*(+ . ' 9"+ 0 . "#01 *+ 2+*R +-'3"130 0-2 20 '" . " +110 +E 4#-' F"#-01 94+ 0 ,#+*+-$+ $"2"* "* ;+11"* + 02 . #03+ * #0*/"*("4 $ #02+* 20 : *1"# 0("4 '#+02"* ,+10 . 0/ -0'0" 2"* . "#01 *10*E 4#-' F"#-01("-2+ 0 *0$ * 0'0" 2+ 4 . 0 '4# "* 202+ 01+/#+ -*, #+ 0' 1 . +-1+ 4 . ' *",#" 2+ 3 20 ,4#0(+ 0;#0 -" '"#0/0" 4#-' . 0 ' -0-' 01 2+ 3 #142+* "' 0+*X

0'1"* 1*1"# '"*(0,4#020 . +:$+ +*'"1: 2"*E : *$"# 0* /#0' "*0*= "#-020* +#0 '020 -4 . +#H '" . ' 4 . 0 ;+110 +*$0 . ,0 $:"/#0,:020< + * " 94+ :03 0 2+ '"-*$ 14 # 0 ,0#$+ ,# -' ,01 2" 3 $ 24 ' * 1/4 . 0* 3+G+* B0'#+*'+-$030 . ' "* #+20'$"#+* (,"+* 0 *+1+'$0(#0# "* 0#$ /"* 2+ #+'#+0'0" 20* *' + ' 0*(30# +202+*(0-+2"'$0*(+ 01/4 . 0* ' :0#020*('" . ,1+$0#0" " F"#-01 S

0" 2+3" " . 1$ # 94+ 1"/" -" ,# . + #" -4 . +#" 2" F"#-01 @1-;0 4 . 0 *+ ' ' $ ' '"-$+-2" " . 0/- '" +1"/ " 2+*$0 03+* - :0 + $" ,"# 4 "-(+ 0* -"1 ' 0* *' +-1) '0* . - *$#020* ,"# "4$#"* -0$4#01 *$0* 4 "- :+ ':0 . 0 F" 0 20 -014#+G0('" . ' 0 9401 -0" ,"2+ . ' ,1+ 1+0# '" . ,+$+-' 0 0* ,+2#0* ,#+' "*0* + "* . +10+* , " 1 2"* ,+10 0#1+E ,+94+- -" 2- +('"11"'02" -" 41$. " /#04 20 +*'010 20 / 0-2+G0(0 94+#-' 01 0* '"4;+#0 . ' $"2"* "* 2"$+* + 2"-* 2+ # 94+G0(*" ,0#' 01 . +-1+ 1 ;+#01 *02"* 0* "41#0* 03+*

+ ,0**0/+ . ' 2 #+ . "* 94+ 0 +*$0* 03+* - :0* 20" "* #0-'+G+* " -" . + 2+

3 * ' &/' '

?' ,# . + #" -4 . +#" + 20$02" 2+ A 2+ F41:" 2+ AC7C

* #+20'$"#+* 2+'10#0#0 . ' 94+ "* . "3+#0 " 2+*+F" 2+ 94+(, "# 4 . ' . "2" *403+(+ , "4'" 2 *,+-2 "*"(':+/0**+ 0" '"-:+' . +-1" 2+ $"2"* 0 : *$"# 0 0;#+3 020 2"* :" . +-* 94+ *+ G+#0 . ' '+1+;#+* ,+1" /+- "(,+1"* $01+-$"*(3 #$42+*(0# . 0* "4 1+$$#0* +# 0 . ' $0 . ;+ . ' '" . ,#+:+- ' 2 2"* "* 94+ $# *$+ . +-$+ 0294 # #0 . ' '+1+;# 202+ ,+1"* '# . +* 94+ ,+# ' ,+$#0#0 . X

#0 '"-3 ''0" 2"* #+20'$"#+* 94+ 0(1 "/#0,: 0 2 4 . 0 ,0#$+ +**+- ' 01("4 ,+1" . +-"* 2+ *4 . #0" -$+#+**+(Y20 *$#4''0" ,4;1 '0E ,0#+ '+-2" 1:+* 94+ ;0*$030 ,0#0 0;"-0# +*$+ '"-'+ $" " - 0$ /03+1 2+*3+1" '" . ' 94+ 4 . ' /#0-2;' -4 . +#" 2+ *0; 2* *+ $++ . ' "''4,02" 2+*$+ "; ' F+'$"

" . + '0#0 . ' ,+10 ; "/#0,: 0 2" /#0-2+ "-*" 2+ 1;494+#94+

$ ˢ ! ˢ&/'

0$0ˢ 2"ˢ 0--"ˢ 2+ˢ >C7C

2",$"4ˢ 4.0ˢ +8'+11+-$+ˢ 2 3 *0<ˢ % ˢ 6 ˢ ˢ , ˢ ˢ ˢ ˢ ˢ ˢ ˢ

#".+$$+4ˢ 94+ˢ *6ˢ +*'#+3+# 0ˢ 3+#202+*ˢ +.ˢ *+4*ˢ 0#1 /"*Eˢ *+# 0ˢ -ˢ $+ #0.+-$+ˢ +*1#0-:"ˢ 7 ,"1 $ '0Eˢ -0"ˢ 02. $$ # 0ˢ "ˢ .0 *ˢ 1+3+ˢ 0$094+ˢ ,+*ˢ *"01

+F0ˢ ˢ 94+ˢ :0ˢ ,"4'"ˢ 2 **+."*ˢ 0ˢ ,#","* $"ˢ 20ˢ ˢ " ˢ ˢ ! ˢ+ˢ "ˢ 94+ˢ 02 0-$+ˢ -"$ ' 0."*ˢ 0ˢ ,#","* $"ˢ 2"ˢ % ˢ !

8 2 ˢ&/'ˢ ˢ ˢ !

0 4ˢ ˢ ,# .+#"ˢ -4.+#"ˢ +.ˢ AVˢ 2+ˢ .0 "ˢ 2+ˢ AC7V

+'10#030ˢ 94+ˢ :03 0ˢ 2+ˢ ,4;1 '0#ˢ 4.ˢ -4.+#"ˢ #+*ˢ 3+G+*ˢ -0ˢ *+.0-0Eˢ 0-01N*0#ˢ $"20*ˢ 0*ˢ ,+/0*(ˢ 20- 0*ˢ +ˢ "-$#"*ˢ 2 3+#$.+-$"*ˢ 94+ˢ "**+.ˢ ˢ *'+-0Eˢ 20#ˢ $"20*ˢ 0*ˢ -"$ ' 0*ˢ 94+ˢ -$+#+**0**+.ˢ 0"*ˢ $:+0$#"*(ˢ 0** .ˢ -0ˢ ' "-0+*ˢ '".ˢ +*1#0-/+ #"*Eˢ -*+# #ˢ 30# +202+*ˢ +1+/0-$+*ˢ +ˢ 0/#0203+ *

".+ "4ˢ ,"#ˢ 20#ˢ -"$ ' 0*ˢ 7'+#'0ˢ 20ˢ ",+#0(ˢ 9ˢ ˢ B 4* '0ˢ 2+ˢ +11 - (ˢ #+,#+*+-$020ˢ -"ˢ $:+0$#"ˢ 2+ˢ ˢ 0#1"*

8,#+**030.ˢ "*ˢ #+20'$"#+*ˢ +*$0ˢ '"-3 ''0"<ˢ +*2+ˢ 94+ˢ 0ˢ .,#+-*0ˢ +.ˢ "#$4/01ˢ *+ˢ "''4,"4ˢ '".ˢ "*ˢ -"**"*ˢ $:+0$#"*(ˢ +ˢ +8+#'+4ˢ *";#+ˢ +11+5*ˢ 0ˢ *40ˢ '+4*4#0(ˢ +#0ˢ *+-*X3+1ˢ "ˢ 0,+# + '"0-0+-$"ˢ 94+ˢ *+ˢ $ -:0ˢ *+/4 2"

8 2

0)ˢ ˢ ,# .+#"ˢ -4.+#"ˢ +.ˢ 7?ˢ 2+ˢ 0/"*$"ˢ 2"ˢ AC>?

3 2 0 +ˢ +.ˢ 240*ˢ ,0#$+*<ˢ ;"1+$.ˢ $:+0$#01ˢ -$+# "#Eˢ +;"1+$ #ˢ :+0ˢ $#01ˢ +8$+# "#(ˢ '

ˢ A Zˢ 20# 0ˢ -"$ ' 0ˢ 2"ˢ 0-20.+-$"ˢ 2"*ˢ $:+0$#"*ˢ ,"#$4/4+G+*(ˢ '".ˢ 0ˢ '".,+$+-$+ˢ 0-01N*+ˢ 20*ˢ ,+'0*ˢ -"30*ˢ 94+ˢ "**+.ˢ 0,,0#+'+-2"

ˢ I Zˢ *+# 0ˢ 2+*$ -020ˢ ,0#0ˢ "*ˢ $:+0$#"*ˢ +*1#0-/+ #"*(ˢ ,4;1 '0-2"ˢ 0,+ˢ -0*ˢ "*ˢ 0'"-$+' .+-$"*ˢ .0 *ˢ -"$03+ *

"-$+# 0ˢ $0.;+.ˢ 01/4-*ˢ 0#$ /"*ˢ 2+ˢ #+'#+ "ˢ +ˢ -*$#4''0"

8 2

0 4ˢ ˢ ,# .+#"ˢ -4.+#"ˢ +.ˢ Iˢ 2+ˢ "414;#"ˢ 2+ˢ ACDI(ˢ $+-2"ˢ "*ˢ .+*ˢ ."*ˢ #+20'$"#+*ˢ 20ˢ K)4 -G+-0H

#".+$$ 0.ˢ '"-$ -40#ˢ 0ˢ *+#ˢ "*ˢ 02. #02"#+*ˢ 2"ˢ $01+-$"(ˢ "*ˢ ,#"$+ˢ '$"#+*ˢ 2"ˢ #0'"(ˢ "*ˢ '"-*+1:+ #"*ˢ 0- .02"#+*5 2"*ˢ /+- "*ˢ -0*'+-$+*Eˢ ,#+ˢ $+-2+-2"ˢ 2+*+.,+-:0#ˢ 0ˢ . **0"ˢ 2+ˢ +*'# ,$"#+*ˢ .,0#' 0+*

+#-ˢ /#0X0ˢ "ˢ ."2"ˢ ,"#94+ˢ -"##0030.ˢ "ˢ ,4;1 '"ˢ *";#+ˢ 0ˢ , ;1 '0ˢ 0"ˢ 2"ˢ F"#-01Eˢ K?ˢ -$#+ '$"ˢ -0"ˢ +ˢ *+#00-01(ˢ -+.[.+-*01Eˢ *0 #0ˢ $"20*

0*' 3+G+*' 94+' +*1 3+#, #" . ,1"(' +' +*$0# ' ,#" . ,$"' 940-2"' 1 3+#. "*' ,0' +-'
' 0' 2+' "' +*'#+3+#' 62+' 0'0;0# -"' ,# . + #"' -4#0+#"(' +', 22+' 24#0#0--"* Z

8 * ' ' ' :9' ' ' !
?' ,# . + #"' -4 . +#"' *0 4' +#0' ' 2+' *+1+ . ;#"' 2+' AC>I
?' ,#", # "' F"#-01' 2 G 0<
K?' 8 * ' ' ') 4+' 1 $41"1' #0(' *+-:"#+*(' ?' 8 * ' '
' +*$0#' + . ,#+' ,#+*1+*' 0' #+ 1+'$ #' $42"' 940-$"' "' ,4;1 '"' 36' +' -0"'
32' -"*' $:+01#"*(' ($42"' 99Z#0$"' 02"#+*' +' 0'$# G+*' 0G+#0(' -3+-$0#0' +' 0 2'
. 0/ -0 . 3
2 0-1+' :03+. "*' 2+' . +-' "-0#' "4$#"' ,+N "2 '"' 2"' . +* . 0' 20$0' K?'
$#0#0H('" . ' "' 9401' +-$#"4' +#0', "1+ . '0' /' 8 * ' '

4 '& ' ' ' ' ' ' ' ! '% ' ' 2
' ' ' 3 '
0 4' ' ,# #0+ #"' -4#0+#"' +#0' C' 2+' F0-+ #"' 2+' AC>7
0' 0--"*' 0' +*10' ,0#$+' B2 G 0' 0') ' *;"0' $+#-' 3 *$"' 0, , 0'
#+'+#+#0' +' 2+*0, , 0#+'+#+ . ' 2 3+#*"*' F"#-0+*' ' ' ' ' "'
#0 . ' . +$+"#"*' 94+' 14G #0 . ' 4 . ' . " . +-$"< 0, 0/0#0 . *+' '" . ' +8$#+ . 0' #0'
, 2+G
' 4 ' 0, #+*+-$030 *+' '" . "' *+-2"' " . ' F"#-01' *+# "(' +' 0** . ' "#'
. 41030' 0*' *40*' ,#" . +**0*<
K * 0:' ," *' 0' #0G0"' ,"#94+' 0' 4 ' F4-$"' '" . ' 0*' '"-* 2+#0/"+*'
*";#+' 0' *'+-0' +' *";#+' 0' 0#$+(' 94+' ;4*'0#2' +1+30#' 0 . 0 "# 01$4#0', "** '
3+1(' -0"' 2+*, #+G0# ' -+-:4 . "4$#"' /+-+#"' 2+' 1 $$+#0$4#0(' +' ;4*'0# ' +8 '
/ # 2+' '020' #0 . "(' 2+' '020' *' +-' 0(' +' 0 -20' 2+' '020' 0'$"' 4 . ' 0'" . '
. "202"' +', #", "#' "-02"' '"-$ -/+-$+(' , 0#0‖94+', "# $"2"*' "*' '0 . -:"*'
, "** 3+ *' *+' '"-'"##0' > 114*$#0/0"(' 7+24'0/0"(' > -$+11 /+-' 0' +' >' '"-'
*' +-' 0' 2"' $:+0$#" S

; ' ' ' ' ' <
" . +'"4' +#0' F0-+ #"' 2+' AC77
0"' , "26#0"*' +-'"-$#0# "' ,# . + #"' -4 . +#"(' "' *+/4-2"' $+#-' 0' 20$0'
2+' I7' 2+' F0-+ #"' 2i094+11+' 0--"' "' *+/4-2"' -4#0+#"' +' -"*' *+/4 -$+*(
3 . "*' 01/4-*' 0#$ /"*' 2+' . "#01' #+1 / "*0("# / -0+*' +' $#024G 2"*(' 01/4 . 0*'
, "+* 0*(' +' 30# +202+*

('B? ' ' ' ' ' * ' ' ' - ' "# 4 . 0'
*"' +202+' AC>V
"-$.' #" . 0-'+*

(ˢ ˢ &/' ˢ ˢ ˢ ˢ ˢ 2
ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ

?ˢ ,# . + #"ˢ -4 . +#"ˢ *0 4ˢ + . ˢ 0-+ #"ˢ 2+ˢ AC>>
ˢ ˢ +ˢ 0** /-020ˢ ,"#ˢ "*+ˢ +#-0-2+*ˢ ;+ #"(+ˢ -5+110ˢ 0G
*+-$ #ˢ "ˢ . "1 3"ˢ +ˢ "5 , 0-"ˢ 2"ˢ *+-ˢ ,+# "2 '"<
K + - 2 "ˢ 94+ˢ . 4 $"*ˢ ,# -' , ,*ˢ 01$0#0(+8,1 '02"*ˢ + . ˢ 0 44**0ˢ
1 -/40(,0#0ˢ 02 0-$0 . +-$"ˢ 2"*ˢ +*142 "*"*ˢ + . ˢ 30# "*ˢ #0 . "*ˢ 2"*ˢ '"- :+ ˢ
' #0+-$"*ˢ :4 . 0-"*(#+*"13 ˢ , ;1 '0#ˢ 8ˢ 94+ˢ :03 0ˢ $#024G 2"ˢ +ˢ 3 +#ˢ 0 $#0 ˢ
24G #ˢ -"*ˢ . "#0+-$"*ˢ 94+ˢ "#ˢ #"4;0-2"ˢ 0"ˢ . +4ˢ 2+*'0-*"(,0#0ˢ 94+ˢ 0 *" ˢ
' +202+ˢ *+ˢ ,"**0ˢ 25+11+ˢ 0,#"3+ $0# S
+*+-3"13+-2"ˢ +*$0ˢ 2+'10#0,0"(2 G 0ˢ 94+ˢ -0*ˢ '"14- . 0*ˢ 2"ˢ *+4ˢ ,+R
"2 '"ˢ 0# 0ˢ +-$#0# 2 3+#*"*ˢ 0#$ /"*($#024G 2"*ˢ 2+ˢ 30# 0*ˢ 1 -/40*ˢ +*$#0- ˢ
/+ #0*(94+ˢ :+ˢ ,0#+'+**+ . ˢ 2+ˢ 41 1 202+ˢ ,4;1 '0ˢ 0 5+*$+ˢ #0"2"ˢ 0 '#+0-,0ˢ
94+ˢ 0,+-0*ˢ *0 ;0ˢ 1+#("ˢ . 0-'+;"ˢ 02 0-$02"ˢ -"*ˢ *+-*ˢ +*$42"*(0 2"- ˢ
G+110ˢ -*$#4 20(+ˢ + . 2 . ˢ 940*ˢ $"20*ˢ 0*ˢ '10**+*ˢ 20ˢ *"' +202+([0':0#0"ˢ
,#"3+ $"*0ˢ 0 *40ˢ 1+ $4#0 S
. ˢ 3+#202+ˢ 2ˢ (ˢ '"-$+ . ˢ 30# 02"*0#$ /"*ˢ *";#+ˢ 0**4 . ,$"*ˢ
-$+#+**0-1+*ˢ 20ˢ -24*$# 0ˢ +ˢ 2"ˢ '" . . +#' "
+Gˢ ;"0ˢ +*'"1:0ˢ 2+ˢ #008 . 0*(94+ˢ 094ˢ +ˢ 0'"10ˢ #+,#"24Gˢ + . ˢ *40*ˢ
'"14 . -0*E ˢ '" . "(,"#ˢ +8+ . ,1"ˢ 0*ˢ *+/4 -$+*<
ˢ +1"94+-' 0ˢ 6ˢ 4 . \ˢ , -$4#0ˢ 2"ˢ ,+-*0 . +-$" ˢ
?ˢ F4 Gˢ 2+3+ˢ $+#ˢ "ˢ 1 3#"ˢ 20ˢ 1+ˢ -0ˢ . 0"(+ˢ "ˢ +*, # $"ˢ 25+110ˢ -"ˢ '"#0 ˢ

+# 0ˢ ,"#ˢ '+#$"ˢ 4 . ˢ 1 3#"ˢ '4# "*"ˢ 09"+11+ˢ "-2+ˢ *+ˢ -0"ˢ +-'"-$#0**+ . ˢ
. +-$ #0*ˢ " *

ˢ ˢ ˢ ˢ ˢ ˢ

0$0ˢ 2"ˢ 0--"ˢ 2+ˢ AC>V
+#-ˢ +*$0ˢ +, /#0,:+< &

) 5# &ˢ %,ˢ 0$#&ˢ +ˢ &0), B%&ˢ) B0+,
1 + 0ˢ + &ˢ , "#1ˢ "#$0&* 1 % ˢ 0% #0ˢ " *,0
ˢ ˢ

ˢ $ 2# , &0ˢ 0B#)(0ˢ &#1#)(0+,#&=
B0+" ˢ + &ˢ @0 " +&ˢ 1 1 &0&ˢ 5) #&
&ˢ * 1ˢ 0% #0&ˢ " %, +0&ˢ *% "0 #1 &
#)# ,0+" ˢ +&, % ˢ + && &ˢ)# , #&

K +#2ˢ "-"**"ˢ ˢ B2 G 0 *+ˢ -0ˢ $ =) ˢ ,: 1"*"

:ˢ J

, : '"ˢ +ˢ . "#01(+(940-$"ˢ -"*ˢ *+F0ˢ , "** 3+1(-*1#4'$ 3"ˢ ?ˢ +-1#+10'+ˢ
01/4 . 0*ˢ , +X0*ˢ , "+$ '0*(0-+'#$"$0*(0;410*ˢ +ˢ : *$"# +$0*('"-1# ;4 #ˢ
10 . ;+ . (-0"ˢ *6ˢ "ˢ -*$#4'/0"(, "#+ . ˢ 0"ˢ 2+1+ $+Eˢ 2+*+ . , +- :0-2"ˢ 0** . ˢ 0ˢ
/#0-2+ˢ . 08 . 0ˢ 2"ˢ /#0-2+ˢ 30$+(94+ˢ -"*ˢ 0**+3+#0ˢ , ˢ ˢ ˢ ˢ 2ˢ
ˢ ˢ , ˢ , ˢ ˢ * * ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ 2ˢ
ˢ . 08 . 0ˢ 02", $020ˢ '" . ˢ +1 Gˢ *4''+**"ˢ , "#ˢ $0-1"*ˢ 114*$#+*ˢ +*'# ˢ
, $"#+*(-$ /"*ˢ +ˢ . "2+#-"*
+G -"*ˢ . 4$1"ˢ /#0$0ˢ . , #+**0"ˢ +*$+ˢ +-4-' 02"ˢ 20ˢ >
K?ˢ -"**"ˢ $ ˢ ˢ #+F+ 0#2ˢ $"20*ˢ 0*ˢ 1"#+*ˢ 94+ˢ *+F0 . ˢ "ˢ + . ;1+#00ˢ
2+ˢ 4#00ˢ 01*0ˢ +1"94+-' 0(, 0#0ˢ 0, #+*+-$0#ˢ *+3+# 202+ˢ 2+ˢ , # -' , "*ˢ ˢ '"-ˢ
*' +-' 0ˢ 2"*ˢ -"**"*ˢ '"-' 2020"*(0ˢ 94+ . ˢ *+ˢ 2+$$+ˢ 0ˢ 3+#202+ˢ * . , 1+*ˢ +ˢ
3 30< +ˢ +*$]*ˢ -"*ˢ 0#0"ˢ "*ˢ . +11 "#+*ˢ , #+*+-$+*(*+ˢ 94 G+#+ . ˢ :"-#0#ˢ -"*ˢ
*0*ˢ '"14 . -0*ˢ '" . ˢ *+4*ˢ 2 '10 . +*ˢ +ˢ 2"4$# -0* Z

ˢ ˢ ˢ (ˢ

"ˢ ˢ "#/0"ˢ 20ˢ -2 '020ˢ **"' 0'0"ˢ -:0ˢ +*$0ˢ , "#ˢ . ˢ 2+*+-3"1ˢ
3+#ˢ +ˢ 0, +# + '"0#ˢ 0ˢ -24*$# 0(+ˢ -*$#4 #ˢ +ˢ +24'0#ˢ 0*ˢ '10**+*ˢ 10;"# "*0*Eˢ
+*10;+1+'+#ˢ '4#*"*ˢ 2+ˢ 2+*+-:"ˢ -24*$# 01ˢ +ˢ $+' :-"1"/ '"
0 4ˢ ˢ 14Gˢ ˢ , # #0+ #"ˢ -- . +#"ˢ 2"ˢ F"#-01ˢ + . ˢ A7ˢ 2+ˢ 0/"*1"ˢ 2+ˢ AC7 I(
+ˢ 2+3 0ˢ *+#ˢ , 4;1 '02"ˢ -"*ˢ 2 0*ˢ Aˢ +ˢ A7ˢ 2+ˢ '020ˢ . +G

ˢ ˢ ˢ ˢ ˢ ˢ 5 ˢ ˢ
. ˢ . 0 "ˢ 2"ˢ 0--"ˢ 2+ˢ AC7Dˢ "#/0- *"4 *+ˢ + . ˢ *;"0ˢ 0ˢ "' +202+ˢ
20*ˢ ' +-' 0*ˢ +2 '0*ˢ 0ˢ 0ˢ +**+ˢ $+ . , "ˢ +8 *1 0ˢ 4 . ˢ F"#-01ˢ B'" . +'02"ˢ 0ˢ
, 4;1 '0#ˢ + . ˢ 0-+ #"ˢ 2"ˢ . +*#0"ˢ 0--"ˢ '" . ˢ "ˢ $ $41"ˢ 2+ˢ ˢ ˢ
ˢ 5 ˢ ˢ ˢ 2"ˢ 9401ˢ :03+ . "*ˢ 2+ˢ 0G+#ˢ . +- 0"ˢ + . ˢ ' :+/0-2"ˢ
0ˢ *40ˢ 3+Gˢ -0ˢ "#2+ . ˢ 01, :0;+$ '0
+*2+(, "#6 . (94+ˢ *+ˢ '"-*$ $4 4ˢ 0ˢ ˢ , 0**"4ˢ 094+11+WF"#R
-01ˢ 0ˢ 2+-" . -0# *+="#-0ˢ ˢ ˢ ˢ ˢ 5 ˢ ˢ
ˢ +ˢ 25+*$+ˢ $#0$0 . "*ˢ 0/"#0
2", $"4 *+ˢ 0ˢ *+/4 -$+ˢ +, /#0, :+<

#0$0ˢ #+*ˢ +*$ '4-'$0ˢ , #" 4$4#0ˢ 341/0#+
: ˢ ? ˢ ˢ Wˢ A6

ˢ +$0$4$"*ˢ 20ˢ *"' +202+ˢ "#0 . ˢ 0, , #"3020*ˢ , +10ˢ , "#$0# 0ˢ 2+ˢ AWˢ
2+ˢ +3+#+ #"ˢ 2+ˢ AC76(0** /-020ˢ , +1"ˢ . - *$#"ˢ 2"ˢ #+ -"("ˢ . 4 $"ˢ +*'10ˢ
#+' 2"ˢ 4 Gˢ 20ˢ 130ˢ "4* -:"ˢ 2+ˢ 1;494+#94+
"ˢ 0#$ /"ˢ 7? Sˢ 2 G 0 . ˢ "*ˢ +*$0$4$"*<
K ˢ "' +202+ˢ $+#0ˢ 4 . ˢ F"#-01ˢ -$ $4102"ˢ ˢ ˢ ˢ

A A

:"4 *+ 0 01/ -* 25+11+* 94+ *+ '"## 0 . 2+ 3+# $0-10* -0/"+* . 0 * 2 1 /+-1+*(2+3+# *+# 0 ;0*+ 2+ 0 . 0 + - 94+ ,0#0 ,4;1 '0 30- $0/+#0 *+ F4-10**+ . +#0 '" . . 4- 202+(*0;+#(+* "#/"*(+ $01+-$"* ,0#0 -1+-$0# ,+# 0 *' +-' 0 :" . ;#" 0 :" . ;#" '" . 0 25+**0* -0/"+*(," * :+* -0" ,0#+' 0 #0G0" 94+ +-1#+ +110* :"43+**+ $01 2 +#+-/0 2+ - 3+1 Q

+-$"4 *+ +#0 0##+20# 25 $+ '+-1#" * * * 2+ *"#$+ 94+ "+ . + *

* *"' +202+ 2 3 214 * +#0 -"3+ '10**+*E 0 *0;+#<

' +-' 0* . "=0+* + ,"1 $ '0*E , :N* '0*E . 0$:+#00$ '0*E F4# 2 '0*E #0+ 2 '0*E . 1 $0#+*E -*1#4'/0" ,4;1 '0E 1 $$+#0$4#0< ;2:* 0# +*E -*'#+ +-2" *+ '020 4#- 2+* *"' "* + . 4#00 "4 . 0 * 25+*$0* '10**+*(*+/4-2" 0* *40* +* ,+' 01 202+*

* *"' +202+(#0$0-2" 2+ #+01 *0# "* *+-* -$+-1"*(1+ . ;#"4 *+ 2+ ,4;1 '0# 4#00 ";#0 ,+# "2 '0(-0 9401 -*+# **+ . + . "# 0* 41+ *(+*$0;+ 1+'+**+ 4#- . + " 2+ '" . . 4- '0/0" +- $+ +110 + " ,4;1 '"(+ 0'"1:+**+ $"2"* "* +*'# ,1"* $"-2+-1+* 0 20# 0- . 0/0" 2* 1+$1#0* ,"#$4/4+G0* +4 *+ 0 +*$0 ";#0 ,+# "2 '0 " -"#0+ 2+ * * * *

5+**+ F"#-01 *0 #0 . 0,+-0* ' -'" -4 . +#"*(94+ 01 * '"-1 -:0 . -$+#+**0-$+* 0#$ /"*< " 94+ 0G 10*1 . 0# 94+ -0" $ 3+**+ +11+ 0 1"-/0 24 #0/0" 94+ $0" ,#"3+ $"*0 ,"2 0 *+#

4;1 '"4 "* +*10$4$"* 20 *"' +202+E 4 . 0 #+*4 . 20 -"$ ' 0 2"* $#0 ;01:"* 20 '" . . **0" 2+ -*$#4'/0" ,4;1 '0('#+020 ,"# 2+'#+$" 2+ A7 2+ . 0 " 2+ AC7>E 4 . 0#1 /" *"10#+ 0 . ,"#$0-' 0 20 +'"-"#0 0 ,"1 $ '0E 0 5 + *'# ,10 ,+1" 2"4$"# "*6 +1 ' 0-" 2+ 0*1 1: +#0 ACAC * * : ? 4#- #0/ . +-$" 20* 2 2" ,02#+ -$"- " + #0('" . #+ +#+-' 0 >* 0''4*0/"+*(2" 0-$" ' " '"-$#0 " 1 3," -$ $4102") (* 4 . 0 -"$0 2+ -$"- " +1 ' 0-" 2+ 0*$ 1:" 0'+#'0 20 ,+**"0 2+ -$"- " ;+ #" 2"* 0-$"*(+ 254 . +*'# ,$" 25+*$+ -$ $4102"@# + * * *

0 /4 . 0* ,#"24+/"+* ,"+1 '0*E -"$ ' 0* ; ;1 "/#0, : '0*(+$'

. .

? ,#$. + #" -4 . +#" 25+*$+ F"#-01 " ,4;1 '02" + . . 0 9 2+ AC76 ,# . + #0 '" . . **0" 2+ #+20+/0" " '" . ,"*$0 2"* *+/4 -$+* *"R ' "* + +'$ 3"*< "*+ "- * " "##+ 0 B2 #+'$"# E "094 . 4-+* 0#R ;"*0 B3 '+ 2 #+'$"# E -$"- " 2+ 0#301:"E -$"- " /-0' " 2+ 3+1 10# #+/"# " 2+ "4*0 +#+ #0E 4 1:+# . + -$"- " +#+*E "*+ 0# 0

_ A I

ˢ "' +202+ˢ :0# . 0'+4$ '0ˢ 2+ˢ *;"0ˢ '"-*1 $4 4 *+ˢ -"ˢ 2 0ˢ I>ˢ 2"ˢ F41:"ˢ 2+ˢ AC7D('+1+;#0-2" *+ˢ 0ˢ *+**0"ˢ -0ˢ ;"$ '0ˢ 2"ˢ "*, $01ˢ 2+ˢ ˢ "*+ˢ "/"ˢ -5+**0ˢ *+**0"ˢ "ˢ 1+ . ;#020ˢ 0ˢ -+'+** 202+ˢ 2+ˢ 4-20#ˢ 4 . ˢ F"#-01ˢ 20ˢ *"' +202+('" . ˢ "ˢ #0ˢ 2+ˢ . - *1#0#ˢ 0"*ˢ , :0# . 0'+4$ '"*ˢ 0* . 0 *ˢ -$+#+*ˢ *0-1+*ˢ 2"4$# -0*ˢ 20ˢ *-0ˢ ,#" **0"(+ˢ 0"ˢ ,4;1 '"ˢ 4$+ *ˢ 03 *"*ˢ + . ˢ ;+-+ˢ ' "ˢ 20ˢ -2 *$# 0ˢ +ˢ 20ˢ *042+ˢ 2"ˢ ,0 G

. ˢ AIˢ 2+ˢ 0-+ #"ˢ 2+ˢ AC76ˢ "#0 . ˢ *0-'' "-02"*ˢ "* +*014"*ˢ 20ˢ *"R ' +202+ˢ "#0 . ˢ +*$+*ˢ #+3"/02"*ˢ ,+1"*ˢ 2+ˢ Vˢ 2+ˢ . 0 "ˢ +ˢ AC7C(20$0ˢ 20ˢ ,"# 0# 0ˢ 94+ˢ 0, ,#"3"4ˢ "*ˢ 94+ˢ :03 0 . ˢ 2+ˢ '4 . + 0#ˢ 0ˢ *+#ˢ ";*+#302"*ˢ 2"ˢ 2 0ˢ I>ˢ 2+ˢ F41:"ˢ 2"ˢ . +* . "ˢ 0--"ˢ . ˢ 3 #$42+ˢ 2"*ˢ -,3"*ˢ +*1014$"*ˢ ˢ '"4ˢ *+-2"ˢ 0(*"' +202‖+ˢ -$ $41020<ˢ ˢ ˢ ˢ +ˢ ˢ F"#-01ˢ ,0**"4ˢ 0ˢ $+#ˢ 0ˢ 2+-" . "0'0"ˢ 0-01"/0(*4;*$ $4 -2" *+ˢ Aˢ ˢ 0ˢ ˢ

ˢ *"' +202+ˢ ,#",4-:0 *+ˢ 0ˢ ,#" . "3+#ˢ "ˢ ,#"/#+**"ˢ 20ˢ ,:0##00' 0ˢ + . ˢ $"20ˢ 0ˢ *40ˢ +8$+-*0"(+ˢ 0ˢ '"-'"##+#ˢ ,0#0ˢ "ˢ #0+11 "#0#0+-$"ˢ 2+ˢ $42"ˢ "ˢ 94+ˢ 2 Gˢ #+*,+ 1"ˢ 7*042+ˢ ,4;1 '0(-"*ˢ 1 #0 $+*ˢ 20ˢ *' +-' 0

4;"#2 -02"ˢ 0ˢ +*$+ˢ) . ˢ :03 0ˢ 2+ˢ *+#ˢ -+'+**0# 0 . +-$+ˢ "ˢ ,+-*0 . +-$"ˢ 20ˢ #+20') 0"ˢ 25+*5$+ˢ F"#-01Eˢ +ˢ 2+ˢ + $"ˢ '"-$6 . ˢ +11+(,# -' ,01 . +-$+("#R . 410*(0#$ /"*ˢ 2+ˢ ': . '0($"8 '"1"/ 0(,:0# . 0' 0(*' +-' 0*ˢ -0$4#0+*(1+/ *10'0"ˢ ,:0# . 0'+4$ '0(,0#+'+#+*ˢ +ˢ 0'$0*ˢ 20ˢ *"' +202+(#+3 *$0ˢ 2"*ˢ F"#-0+*(+$'

+ +# -2" -"*ˢ 0/"#0ˢ 0ˢ 4 . 0ˢ -"$ ' 0ˢ 94+ˢ +-'"4$#0 . "*ˢ + . ˢ 4 . ˢ +*'# ˢ ,$"ˢ 0'#+2 $02"(";*+#30#+ . "*ˢ 94+ˢ 0ˢ 2+*,+G0ˢ 20ˢ . ,#+**0"ˢ 25+*$+ˢ F"#R -01ˢ '"##+ˢ ,"#ˢ '"-$0ˢ 2"ˢ /"3+#-"Eˢ *+-2"ˢ +*$0ˢ . +#'2ˢ '"-'+2 20ˢ + . ˢ AC6?('" . "ˢ + . ˢ #+ . 4-+#0'0"ˢ 2"*ˢ *+#3 '+*ˢ -#+*$02"*ˢ -+10ˢ *"' +202+ˢ 0"ˢ -4ˢ ;1 '"Z

ˢ ˢ 3 2

"ˢ 0--"ˢ 2+ˢ AC>7ˢ #+4- # 0 . *+(*";ˢ 0ˢ ,#+* 2+-' 0ˢ 2+ˢ 1 . + 20ˢ 0#R #+$$(2 3+#*"*ˢ :" . +-*ˢ 2+ˢ 1+$$#0*ˢ ,0#0ˢ + + $40#+ . ˢ 0ˢ ,4;1 '0'0"ˢ 25+*$+ˢ F"#-01

0 #0 . ˢ 0ˢ 14 . +ˢ "- '0 . +-$+ˢ 6ˢ -4 . +#"*('020ˢ 4 . ˢ 2"*ˢ 940+*ˢ $ -:0(ˢ "# . 0$"ˢ 2+ˢ > Lˢ /#ˢ " $-ˢ ,0/ -0*('" . ˢ +*$0 . ,0*ˢ 1 $:"/#0,:020*(+ˢ /#034#0*ˢ + . ˢ . 02+ #0ˢ

. ˢ AC>Cˢ "##0"4 *+ˢ "4$#0ˢ *"' +202+ˢ ,0#0ˢ #+-"30#ˢ 0ˢ ,4;1 '0'0"Eˢ +

ˢ # ˢ * * ˢ ˢ Bˢ # ˢ : ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ

ˢ * ˢ ˢ ˢ ˢ ˢ ˢ ,"#ˢ "0"ˢ "*6ˢ 2+ˢ "4*0ˢ +11+*ˢ B + +#+ *+ˢ 0"ˢ 0--"ˢ 2+ˢ AC67

-5+*$0' *+/0-20' *+# +' *0 #0 .' $#+*' -" . +#"*' +"##+*,"-2+"$+*' 0"*' . +G+*' 2+' 0-+ #"(+ +#+ #"' +' . 0#X"

0**02"*' 2+G' 0--"*' 2+' -$+##", 0"('"-*$ $4 4 *+' -"30' + . ,#+GOE' ' 2+' -"3"' *0 #0 .' C' -4 . +#"*(-+1:"#02"*' -"' $"'0-$+' >' +8+'4/0"' 1N,"/#0' ,: '0' +' 0#$ *$ '0

"# 940-$"' +*10' 41$. 0' ,4;1 '0'0"' B9 +' 01>*' "' 2+' -"3"' -$+##" . ' , 20' 20$0' 2"' 09-"' 2+' >CDV(-0"' +-$#H >' -"' #+ -02"' 20' *+-:"#0' ' 0R # 0' -(,+#1+-'+-2" 1:+' *2 . +-$+' 0*' 240*' ,# #0+ #0*' *+# +*

?' ,+-*0 . +-$"' 94+' ,# * 2 4' 0' +*$0 ,4;1 '0 0"(+' "' .' 0' 94+' 1+-' 2 0('"-*$0 . ('" .' $"20' 0' '10#+G0(2"' *+/4 -Z$ $- . ' 02"' 94+' 20' (

' #0-*'#+3+ . "*<

K) -2 # "*' ;"-*' ,# -' , "*(341/0# *0# "' '"-:+' . +-1"' 2"*' ;"-*' +8+ . ,1"*(3 # + .' 048 1"' 20' *4;1 . +' +', 0$# "$ '0' 2+0' 94+' "#/0- *"4' 0' '02+ . 0' 20*' +110*' #1+*' +' "*' "4$#"*' -*$ 4+*' '"- -+8"*(114*$#0# 0*' -"**0*' /1"# 0*' 0#1 *$ '0*(+*'10#+'+# 0' ", - 0"' + .' 1"2"*' +*$+*' ,"-$"*' $0"' . ,"#$0-$+*(" ' "' ,+-*0 . +-$"' 94+' #+4- 4' 0' 0**"' 0'0"' 2+' 0#$ *$0*' +' :" ' . +-*' 2+' 1+$$#0*' 94+' + . ,#+:+-2+4' 0' ,#+*+-$+' ,4;1 '0)0" Z

5+*$0' '"- "# . 202+(*+# 0 .' #+,#"24G 2"*' ,+10' /#034#0' "4' ,+10' 1 ' $:"/#0,: 0' $"2"*' "*' 9402#"*' 2"*' -"**"*' . +*$#+*(0' ,0# 20*' ,#"24'/"+*' 20*' "4$#0*' +*'"10*E *+# 0 .' ,4;1 '02"*' 2"' . +* ." . "2"' "*' +8+ . ,10#+*' 2+' +*'41,14#0("4' . "2+1"*' 2+' 0#': $+'$4#01' $+# 0 .' '0; . +-$"' 0*' . +20' :0*(. "+20*' +' "4$#"*' 940+*94+# ";F+'$"*' 94+' ,"2+**+#0' '"-* 2+#0# *+' 2"'4 . +-$"*' ,0#0' 0' : *$"# 0' 20' 0#$+

+,#"24G # 0' $0 . ;+ .' "*' /#0-2+*' $-"3 . +-$"*' 20' 0#$+' 0-$ /0' +' . " ' 2+#-0' 94+' +-# 94+'+ .' "4$#"*' ,0 G+*

+# 0' $42"' 0'" . ,0-:02"' 20' '" . ,+$+-$+' : *$"# 0(0-01N*+' +' 0,#+' ' 0'0"E ;+#0' '" ."' *+# 0' ,4;1 '020' 0' ; "/#0,: 0' 2"*' 0#$ *$0*' . 0 *' 2 * ' $ -'$"*(+' ,# -' ,01 . +-$+' 2"*' -0' "-0+*

. $ 30 . +-$+' "' ' "' ' 3 2 ' ,4;1 '02"' *";' "*' 04*' ' "*' 20' *+/4 -$+' #+4- 0"' 2+' 1 $$+#0$"*' +' 0#1 *1 *$0*<

#+* $ +-$+(1 . + 20' 0##+$$E 3 '+ ,#+* 2+-1+(-$"- "' 0-4+1' 20' "-*+'0E *+'#+10# "(-$"- "' 20' 130 411 "E J 1+80-2#+' +#'410-"(-R $"- "' +1 ' 0-"' 2+' 0*$ 1:"(130' ;#0-':+*("4G0' ";"(' "#2011"' -:+ #"(' "94+ ." -$(' 1+' #0-2(' ' 2+' "4G0("#/+' +*0# 2+' /0- +#+(' ' ",+*(' ' 0,$ *$0' "+1:"(130' +01(+-2+*' +01' +;+11"' 20' 130(' ' 20' "-*+'0(' ' "#2011"' -:+ #"(' ' +-2 . (08 ."' 041 -"' 2"*' + *(' ' 4/1 +1 .

!0"' 2+," *0,,0#+'+-2"' "4$#"*' -" . +*< ' ' 2+' !0#-:0/+-(' ' +#+ #0' 0#+'"*(3 *'"-2+' 2+' 4#" . +-:0(' 2+' -2#02+' "#3"(+$'

5

" . +/"4 +*$0 F-$+#+**0-$,4;1 '0/0" +#0 0-+ #" 2+ AC7D(0**" ' 0-2" *+ ,0#0 +110 "* 1+-$+* 20* +*'"10* 2+ ' #4#/ 0 2" "*, $01 2+ "*+< 0#$"E 2+ . 0 + $0"E Z 0#2"*"E "#0+*E 0##01E (+#+ #0E 20 "'::0 0G0#+ . E "#2+ #9E 20 "GE + 8+ #0 B 5+*$+* 3 3+#0 0 -20 "* *#* #0-' *'" -$"- " 0##01(+ "*+ "4#+-/" 20 4G

* 0**"' 02"* ,0#0 0 #+20'/0" 25+*$+ F"#-01 ,#",4-:0#0 *+ -*+ # # -5+11+ $"20* 0* -"$ ' 0* #+10$ 30* 2* *' +-" 0* #0+2 '0*E $#0$0-2"(, #+#0(. 0 * 2+ +*,0/" 2"* 0**4#0,$"* 94+ 3+#*0**+#0 *";#+ 0 . +2 ' -0(,#",# 0 . +-$+ 2 $0(*";# 0 ' #4#/ 0 +, :0##00' 0('" . " ,0#$+* -"0 * +* [*+-' 0+* + . ,"#$0-$+* 20 0#$+ 2+ '4#0#

+# 0(," *(" F"#-01 ,"# ";F+'$"< AS ,#+*+-$0# 0" ,4;1 '" . + . "# 0* *";#+ "* ,2-$"* . 0 * -$+#+**0-1+* 20 *' +-' 0(94+("4 ,"# -" (("4 ,"# ,"4 '" -:+' 2"* 2+3+**+ . ' . +#+'+# 0 0''+ $0/]" /+#01E I S 0--4-+ 0# 0* ";*+#30/"+* '1 - '0*(0* ",+#0/"+* ' #4#/ '0* + $"2"* "* $#0;01:"* -"* 2 +#+-1+* #0 ."* 20* *' +-' 0* . +2 '0*(94+ ,+10 *40 . ," #$0-' 0 "**+ . F41/02"* 2 /-"* 2" '"-:++ #0+-$" ,4;1 '"($+-2" $"2" '4 202" +#0 -0" 02 . $$ # *+-0" "94+(,"# *40 +80'/0"(,"2+**+ '"-'"# #+# ,0#0 "* ,#"/#+**+* 20* #+ +# 20* *' +-' 0*E " +#+'+# +8$#0'$"* 20* . 0$+# 0* -$+#+**0-$+* 94+ *+ +-'"-$#0**+ . -"* 2 +#+-1+* F"#-0+* . +R 2 '"*(+ . '4F" $#0;01:" "* #+20'$"#+* + . ,#+/0# 0#0 1"2" 9 2+*3+1" -+ '+**0# "(0 . 2+ 94+ "**+ . " . 0 * +80'$"* + *4'' -$"* ,"** 3+1E >S & -01 . +-$+(20# . 0 -"$ ' 0 20* ";#0* + *+'# ,1"* 94+ *+ ,4;1 '0**+ . (#+10$ 3+* 0* *' +-' 0* . +2 '0*(0G+# 0 0-01N*+ 25094+11+* 94+ *+F41/0**+ . +#+'+1 0("4Z *+#3 #+ . *+ 20* 94+ "4$#"* *";#+ " . +*#0" ";F+'$" :"4 3+**+ . + $"(940-2" "* #+20'$"#+* 0* '"-'+ 140**+ . 2+ ;"0* + . ,0# ' 0+*

" . " 3 . "* :0(,"4'"(,0**"4 +*$+ F"#-01(+ . -0 " 2+ AC7D(0 2+-" . -0# *+ 5 2+*2+ 94+ *+ '"-*$ $4 4 05 0**"' 0/0" 2" . +* . " -" ##
+FO< 5

2$

0$0 +*$0 ,4;1 '0/0" . +-*01 2" 0--" 2+ AC7D(+ 25+110 *0 #0#0(0" $"2"(IV -4 . +#"*(-" "# . 01" 2+ CS ,+94+-"
"-$6 . ,+/0* 2#0 . 01 '0*("# / -0+*(+ $#024G 20*

0 - , # . + #" -4 . +#" +#0 A? 2+ 0-+ #" 2+ AC>C #0 #+2 / 2"

,+1"* , :0# . 0'+4$ '"* "*6 + '+-$+ +2+*': (+ "0" "*6 2+ "4*0 +11+* B+#0 AC C

" ,"2+ . "* 20# . 0 * +80'$0 -"$ ' 0 2" 013, 0 94+ 3 *030 . " "* +*$. 03+ * #+20'1"#+*(2" 94+ $#0-*'#+3+-2" " *+/4 -$+ +-4-' 02"<

K) . 2+ 048 1 0# 0 $+-2+-' 0 ,0#0 " ,#"/#+**" *' +-$ '"(94+ $0" '10#0 . +-$+ *+ . 0- +*10 +-$#+ -"*(+ 2+ $"#-0##0"* 0' 1 0"* -"**"*'" . , 0$#1"$0*;

$ ** * , *

6 0" *" -"* ,0 G+* +* #0-/+ #"*(. 0* $0 . ;+#0 -0 ,"**0 $+##0(6 94+ , 4;1 '0 . "* +*1+ F"#-01 +*,+' 01 . +-$+ '" *0/#02" 0 4 . . $0" 4$ 1 '" . " /1"# "*" P

: * A

, # . + #0 *+# + 25+*$0 , 4;1 '0'0" '0;+ 0" #+ -02" 20 *+-:"#0 0# 0 (," * 94+ " ,# . + #" -4#0+#" $+ . 0 20$0 2+ AI 2+ +3+#+ #" 2+ ACD7(+ 7I U 41$. " 20 *+# +(6 20102" 2+ IW 2+ "4$4;#" 2" . +*#0" 0--"

*+/4-20 *+# + '" . +'"4 + . A6 2+ . 0 " 2+ ACD>(+ $+3+ . 4 $" 1 . $020 24#0)0"

:

?, # . + #" -4 . +#" 25+*1+ *+ . 0-0# " $+ . 0 20$0 2+ C 2+ 2+G+ . ;#" 2+ AC76E + " 41$. " $+ . 0 20$0 2+ D 2+ F4-:" 2+ AC>W(*+-2" 4 . *4 , ,1+ . +-$ 0" -4#0 IDS

0" 2+3+ *+# '"- 4-2 2" +*$+ '" . 0 % & :

% B2+ 94+ 02 0-$+ :03+#0"* 2+ 0G+# . +-'0" (-0" ";*$0-$+ 0 *+ . +1;0- 0 2" 0**4 . ,$" 94+ 0 . ;"* $#0$0 .

"-$ -:0 6 : ,0#+'+#+* *";#+ ,+'0* *4F+ $0* > '+-*4#0E ':#"- '0 $:+0$#01E -"$ ' 0* *";#+ $:+0$#+* ||+*$#0-/+ #"*E #"R . 0-'+*E ; "/#0, : 0* 2+ 04'$"#+* +'+*'# ,$"#+* 2#0#00$ '"*(+2+ . 0 * 0# $ *$0*(2 *1 -'$"* -" ,01'"

+ -*, #0 . '4# "* 202+ + -$+#+**+ #* ,0#+'+#+* 20* '" . . **"+* 2" "-*+#30$"# " *";#+ "* 2#0 . 0* 94+ "#0-'X*4;#0+$$ 2"* 0 F41/0#0+-$" 1 $$+#0# "(2 $0#0;+ . ' '+#$" 94+ -" : ' *+ 2+ . ' '" . ' *0$ * 0'0" 01/4-* 0#1 /"* + -"$ ' 0* 0 #+*, + $" 2" $:+0$#"(20 . 4* '0(+ 2+ 0**4 . ,$"* '"##+10$ 3+*

" . +* . " F"#-01 *+ +#$'"-$#0 . 01/4-* $#0'+* ; "/#0, : '"* 0 #+*R , + $" 20 # * (2+ 0# "(2+ 0':+1 + 2+ "4$#0* 0'$# G+* + 02"#+* 2+ 0 . 0

?ˢ '" . . ** "-02"ˢ 0,#+*+-1" ˢ 0"ˢ /"3+#-"ˢ "ˢ ,#"/#0 . . 0ˢ 2"ˢ F"#-01ˢ
+ . ˢ 7?ˢ 2+ˢ *+$+ . ;#"(+ˢ + . ˢ 6ˢ 2+ˢ "414;#"ˢ . . +2 01"ˢ " ˢ +8,+2 20ˢ ,+1"ˢ
. - *$+# "ˢ 2"ˢ #+ -"ˢ 4 . 0ˢ ,"#10# 0(-0ˢ 9401ˢ +#0ˢ 0, ,#"302"ˢ "ˢ . +* . "ˢ ,#" ˢ
/#0 . . 0

+-:"ˢ 2 0-1+ˢ 2+ˢ . . ˢ "ˢ AS -4 . +#"ˢ 2"ˢ F"#-01ˢ '"##+*,"-2+-$+ˢ 0"ˢ
. +Gˢ 2+ˢ "414;#"ˢ 2+ˢ >C7D

"-1+ . ˢ 4 . 0ˢ #+*,+ $" 0ˢ 2+2 '0$"# 0ˢ 0ˢ ˢ ˢ 0ˢ #0 -:0(+*'# ,$0ˢ ,+1"ˢ
*#ˢ -$"- "ˢ 2+ˢ 1 3+ #0ˢ 0 E#+'0("ˢ 9401ˢ *+ˢ 2+ . "#0ˢ + . ˢ $+'+#ˢ "*ˢ 2+3 2"*ˢ
+-'" . "*ˢ 0ˢ *";+#0-0ˢ ,+1"ˢ + . ,+-:"ˢ 94+ˢ . "*1#030ˢ + . ˢ ,#"3 2+-' 0#ˢ *" ˢ
;#+ˢ 0ˢ -*$#4''0"ˢ +' 3 1 *0 0"ˢ 2"*ˢ ,"#14/4+G+*ˢ * . 0$030ˢ 0** . < K : * ˢ
$"# 0ˢ 0110#ˢ 2+ˢ ! ˢ ˢ '" . ("ˢ . +* . "ˢ #+*,+ $"ˢ +ˢ 02 . #0 0"ˢ '" . ˢ 94+ˢ
0110ˢ 2+ˢ 01:0# -0ˢ 20ˢ 4** 0(2+ˢ :# *$ -0ˢ 20ˢ 4+' 0(2+ˢ 0# 0ˢ :+#+G0ˢ
25 4*$# 0(+ˢ (2+ˢ *0;21ˢ 2+ˢ +*,0-:0(+ˢ 2+ˢ -/10$+##0 H

+/4+ . *+ˢ "*ˢ . 4 1"ˢ -$+#+**0-$+*ˢ 0# /"*< 8 ˢ ˢ 2ˢ
ˢ # ˢ ˢ * ˢ ˢ +ˢ 8 ˢ ˢ ˢ
ˢ ˢ ˢ D ˢ ˢ ') ˢ * 6ˢ ! ˢ ˢ ˢ
ˢ ˢ ˢ ˢ 8 ˢ ˢ ˢ ˢ ˢ EFGFˢ ˢ
EFGH

5 ˢ < ˢ ˢ 5

?ˢ /"3+#-"(01$+-2+-2"ˢ Dˢ '"-3+- +-' 0ˢ 2+ˢ 20#ˢ 0ˢ . 0 "#ˢ ,4;1 '1202+ˢ
0"*ˢ -+/"' "*ˢ #+10$ 3+*ˢ *ˢ ,#"3 -' 0*ˢ 411#0 . 0# -0*(2"*ˢ 940+*(+ . ˢ 3+#ˢ
202+(- "ˢ :03 0ˢ /#0-2+ˢ '"-:+' . +-1"(#+*"13+4ˢ . 0-20#ˢ ,4;1 '0#ˢ 4 . ˢ ,+ ˢ
"2 '"(-$ $4102"ˢ 5 ˢ << ˢ ˢ 5
Wˢ "3ˢ ?ˢ ,+-*0 . +# $"ˢ 2+ˢ #+2 / #ˢ "ˢ 5 ˢ < I ˢ 5 ˢ
" ˢ 2"ˢ 3 *'"-2+ˢ 2+ˢ ˢ 20ˢ 0-2+ #0ˢ B2+," *ˢ . 0#9 +Gˢ 2"ˢ . +* . "ˢ $41" (
2"ˢ 9401ˢ 1 3+ . "*ˢ "''0* 0"ˢ 2+ˢ 0110#ˢ '" . ˢ "ˢ . +#+' 2"ˢ 1"43"#ˢ 0ˢ ,0/ ˢ 7CIˢ
0ˢ 7CWˢ 2"ˢ 1" . "ˢ 34

+10ˢ ,"#$0# 0ˢ 2+ˢ Dˢ 2+ˢ +3+#+ #"ˢ 2+ˢ AC76(94+ˢ "#2+-"4ˢ 0ˢ ,4;1 '0ˢ
0"ˢ 25,*$+ˢ F"#-01(" ˢ 2+'10#02"ˢ 94+ˢ 2+3 0ˢ '""1+#<

> Sˢ . 0ˢ ,0#$+ˢ " ' 01('" . ,#+:+-* 30ˢ 2^0*ˢ ,#"3 2+-' 0*ˢ 1+/ *101 30*(
+ˢ 20*ˢ "#2+-*ˢ 2"ˢ /"3+#-"ˢ #+101 30*ˢ 0"ˢ 41$#0 . 0#"ˢ ,"#ˢ +8$+-*"("-ˢ ,"#ˢ +8 ˢ
#0'1"Eˢ ;+ . ˢ '"#$ "ˢ 20*ˢ ,0#1 ' ,0'"'*ˢ " + 0+*(#0-* . 11 20*ˢ 2"ˢ 1$#0 . 0#(
'4F"ˢ '"-:+' . +-$"ˢ "**+ˢ 4$ 1ˢ 0"ˢ ,4;1 '"

I Sˢ . 0ˢ ,0#$+ˢ -0"ˢ " ' 01(94+ˢ '"-$ 3+**+(,"#ˢ +8$+-*"("4ˢ + . ˢ #+R
*4 . "(01/4 . 0*ˢ . + . "# 0*ˢ *";#+ˢ "ˢ +*$02"ˢ 20*ˢ . +* . 0*ˢ ,#"3 -' 0*(*40ˢ
-24*1# 0(,#"24''"+*(. "3 . +-1"ˢ '" . . +#' 01ˢ +ˢ -0301(+ˢ ,#+/"*ˢ '"##+- ˢ
$+*ˢ 2"*ˢ ,# -' ,0+*ˢ /+-+#"*ˢ 2+ˢ +8,"#$0'0"($0-$"ˢ -0*ˢ . +* . 0*ˢ ,#"3 -' 0*
'" . "ˢ + . ˢ *;"0

?ˢ ˢ 3 - 4

9 +' , "2+**+ . (*+# 2+' 4$ 1 202+' , 0#00' -"**0' -03+/0/0"($0-$"' 2+' /4+##0('" . "' #0+#'0-1+

*10' , 4 ; 1 '0'0"' 2+3 0' *+# + 10' , +10' *+'#"$0# 0' 20' . 0# - : 0' +' 1R $#0 . 0#(0"' '4 202"' 2"' #+*, +'1 3"' " ' 01' . 0 "#E 2 *1# ; 4 20(10-$"' -"' #+ -"('" . "' -"' 1$#0 . 0#(0' 2 3+#*0*' '0#, "#0/"+*' +' 4 -'' "-0# "*(; + . ' '" . "' ' ; ; 1 "$: +'0*E +' 0, , 0#+'+# 0' -"*' , # . + #"*' " $"' 2 0*' 2+' '020' . +GZ

?' 5 ' " ' *4 ; *1 $4 2"' , +1"*' ' ' ' ' , 4 ; 1 '0/0"' . + - *01(#+2 / 20' *" ; ' 0' 2 #+'/0"' 20' + ' 5 ' ' :

+F0' -"' $"#0"' ' , 0/ ' I7?'Z0 I7>' +' , 0/ ' >I I' 2"' $"#0"' 3 (0*' -" ' $ ' 0*' 94+' 2+ . "*' 0' #+*, + $"' 20' ' ' ' ' ' '

"' 5 ' 0, + - 0*' *+' , 4 ; 1 ' "4' "' AS' "1 : +1"

' +*$+' #+*, + $"' , 2#+ . "*' 2 0 - $+' 2"*' "1 : "*' 2"*' 1+ $"#+*' 0' 4 - '0' -" ' 1 ' 0' 4+' , "2+ . "*' " ; 1+#(+' 3+ . ' 0' *+# 0' 94+' + - '" - $#0 . "*' -0' (2 ' 2"*' ' ' ' >

K ' ' /"3+#-"' 2+' ' ' : 03 0' $0 . ; + . ' *+ - $ 2"' +*$0' -+'+** 202+(+' 2+3 20 . + - 1+' 0' 0, #+' "4(940 - 2"(, +10' , "#$0# 0' 2+' D' 2+' +3+#+ #"' 2+' AC76('" . . +$$+4' 7 +'#+$0# 0' 2+' *102"' 2"*' +/"' "*' 20' 0# - : 0' + 1$#0 . 0# 0' , 4 ; 1 '0/0"' 2+' 4 . ' "1 : +$"' . + - *01' '" . ' "' $ $41"' 2+' 5 ' < ' ' 5 ' + - '0##+/0 - 2"' +*, +' 01#0+ - $+' 0' *40' + $4#0' +' #+20+/0"' 0"' " ' 01' . 0 "# 2"' . +* . "' . - *B+# "("' *#' '" - *+1 : + #"' -R $"- "' 0# 0' 0 . , +1"E . 0*(; +#0' 94+' "*' 101+ - $"*' +' #+'" - : +' 2"' *0 ; +# 2B+*$+' *# (+' 0' +81+ - *0"' 2"*' '" - : +' . + - $"*' , "* $ 3+*' 94+' "' /"3+#-"' , "* ' *4+' *" ; #+' 0*' '""*0*' 2"' 1$#0 . 0# "**+ . ' /0#0 - $+*' *+/4#"*' 20' + '0/ 0' +' 2"' -$+ #"' 2+*+ . , + - : "' 2B09 +11+' $#0 ; 01 : "('04*0*' 94+' -0"' '9 - : +'+' . "*' " ; *10#0 . ' $"203 0' > *40' '" -1 - 40/ "(+' , 4 ; 1 '"4 *+' 0, + - 0*' "' "R 1 : +$" ' ' '"#0 . **0"' 2+' #+20+/0"(0' 94+#-' , 0#1 '410# . + - $+' - '4 . ; +' 20# '4#", # #0+-$"' 0"' 0#1 /"' 2"] ' +*$0$4$"*(+' 2+1 ; +#0/0"' , "*$+# "# 20' 0**" ' ' 0/0"(30+' , " *' +-' : +# + $+' 30* "(20-2"' '" . +/"' 7, 4 ; 1 '0/0"' 2"*' ' ' ' ' JH

"#0' +*$+*' 0**4 . , $"*('" - $+# 0' "' . +* . "' . + . "# 01' 0* -"$ ' 0*

A +F0' 0' , "#$0# 0(-2 '020' -"' $+8$"(-0' : ' 9 $ ' ' ' AC76(, 0/ ' IV' (

I' FŒ ' ' ' ' ' ' ' ' ' ' ' ' ' 5 ' ' : -4 . ' 2"' A ~ 2+' -"N+ . ; #"' 2+' AC>?

0 *' $0#2+' *0 4' 0' 14 . +' 4 . 0' ,4;1 '0" ' " ' 01(' " . ' ' $ $41"' 2"'
3 ' ' ' ' : ' <<
' ?' AS -4 . +#"' 2%+*10' ,4;1 '0/0"' " ' "' 2+' +3+#+ #"' 2"‖0" - "' 2"
ACD>

-;0' ,"# 1 . ' *01 * 0G+# "' 94+' 0"' #+ +# 2"' '"-*+1: "' +#0' 2+$+# . '
-02"' -"' 0#$ /"' IC S' 2"' +-' #+/ . '-1/(0** .' '"-'+; 2"<

Y?' '"-*+1: "' ,4;1 '0#2(940-$"' 0-$+*(4 .' ;"1+1 .' '" .' 1"20' 0' 1+Z
/ *10/0"' 0-1 /0' +' . "2+#- (94+' #+*,+ $0' >*' '"1"- 0*' ' ,#"3+#;' "41#" '
* .' 0' ,4;1 '0'0"' 2"*' --0+*' '" -' 0*' . + . "# 0*' +' -"1 ' 0*' 94+' ,"2+#'
";$+#' *";#+' 0' # 4+G0' 2"' *+4' *"1"(9401 202+*Z ' ,#",# +202+*' 2"*' 1+# '
#+-"*(+*$F 2"' 2+' ," ,410/0"(-24*$# 0('"*$4 . +*(+' 940+*94+#' "41#"*'
";F+' "*' 2+' -$+#+**+' ,4;1 '" S'

%+*10' '"- "##- 202+('" . ,#+:+-2 0' "' ;"1+$.' 240*' ,0#$+*' 2 *1 - '
'$0*< ' ' ,#",# 0 . +-$+' 2 1"(94+' '"-1 - :0' 0' 1+/ *10/0"' #+10$ 3+' 2*'
'"1"- 0*' B1+ *(#+/410 . +-1"*(+' "4$#0* 2 *,"* '"+*' 2+' +8+'4) 0"' ,+# . 0K'
-+-$+ E +' ' '"-1+-2"' . + . "# 0*' "4' -"1 ' 0*' #+101 30*' 0"' 1$#0 . 0#(
*+#0' '0#0'$+#' " ' 01("4‖$+-2" "(94+' -0"' +- '+##0**+ .' ,#+'+ $"*' 2"' -0'
14#+G0' 1+/ *101 30' "-' #+/410 . +-10#' ‖(

"-F4-'10 . +-$+' '" .' 0' 1+/ *10/0"' -"3 ** . 0' ,0#+'+4' 0'+#$02"' ,4'
;1 '0#' 0' 1+/ *10/0"' 0-1 /0

"*' $+# . "*' 2"' 2+'#+$"' 2+' A7' 2+' 2+G+ . ;#"' 2+' ACD7' B94+' #+/41"4'
0' ,4;1 '0'0"' 2"' ;"1+$. (" ' '"-* 2+#020' 1+/ *10/0"' -"3 ** . 0' 0' '"11+' '
0"' 2+' 1"20*' 0*' 1+ *("4' 2 *,"* '"+*' '" .' "' '0#0'$+#' 1+/ *10$ 3;(94+' $+#-'
* 2+' ,#" . 41/020*' ,0#0' "' 1$#0 . 0#' 2+*2+' "' 2 0' AW' 2+' *+$+ . ;#"' 2+' AC7>(
+ .' 94+' 0**4 . 4' "' /"3+#-"' 0' *+-:"#0' ' 0# 0' -' " ' '"-* 2+#020' 1+'
/ *10/0"' 0-1 /0' 0' '"11+' '0"' 2+' $"20*‖0*' 2 *,"* /"+*' 2+' +8+'4/2"' ,+# . 0'
-+-1+(2+' 942194+#' -0$4#+G0' "4' 2# # 0' 94+' *+F0 . (. 0-2020*' +8+'4$0#'
(-0*' ,#"3 -' 0*' 41$# . 0# -0*' 0-$+# "# . +-1+' 0"' -2 '02"' 2 0' AW' 2+' *+1+ . Z'
;#"' 2+' AC7>

"*' 0--0+*' 2+3 0 .' *+#' +80#020*' 0*' . + . "# 0*((3 0/+-*(+' "4$#0*'
940+*94+#' -"1 ' 0*' +' - "# . 0/"+*' *";#+' 0*' ,#"3 -' 0*' 41$#0 . 0# -0*' ,"#'
$4/4+G0*(+' *";#+' 0*' '"1"- 0*' +*$#0-/+ #0*E -01 . +-$+' $42"' 940-$"' ," '
2+**+' . - *$#0#' 14G' ,0#0' 2' '"-:+' . +-$"' +' 02 . - *1#0/ "' 2%094+11+ ' ,0 '
G+*("4' :+*' -$+#+**0**+' 2 #+'10' "4' -2 #+'$0 . +-$+

0#0' "' '0;01' 2+*+ . ,+-:"' 2%+*10' 41$. 0' ,0#$+' 04'$"# *"4' "' 2+'#+$"'
?' "-*+1:"' #0 . 0# -"' ,0#0' . 0-20#' 3 #' 0*' ,# -' ,0+*' ,4;1 '0/"+*' +*R
$#0-/+ #0*' *";#+' 0**4 . ,$"*' '"1"- 0+*(0' .' 2+' *+#+ .' '" . . 4- '‖020*' >
#+20+/0"' 2"' ;"1+1 .' +' 0--0+*

"/"' -"' AS -4 .' 2+'10#24' 0' #+20+/0 ' 94+' ,4;1 '0# 0' -"*' 0--0+*'
"*' +*'# ,$"*' 94;' 2 #+'$0 . +-1+' -$+#+**0**+ .' 0' $"20*' 2"' 0' 01/4 . 0*' 20*

,"**+**"+* 41$#0 . 0# -0* ,"#$4/-+G0*(" "4 "* #+101 3"* 0 '"1"- 0* +*$#0-F /+ #0*(" -0 ,0#$+ +#0 94+ ,"2+**+#0 *+# 4$+ * ,"# 940194+# . "2" D* -"* *0*E $"20* 0* -"$ ' 0* 94+ ,"2+**+#0 '"-'"##+# ,0#0 " 2+*+-3"13 #0+-$" 20 *40 # 94+G0 -0$4#01 + "# . 0* ,#"24'$030*E " +*$02"(" ,#"/#+**" "4 2+ '02+-' 0 20* '"1"- 0* +*$#0-/+ #0*E "* ,#"/#+**"* 20 /+"/#0, : 0 20 # '0 -$+# "#E "* 0,+# + /"0 . +-$"* 20 -03+/0/0"E " '"-:+' #0+-1" 2+ +*'# ,$"* ,"#$4/4+G+* "4 +*$#0-/+ #"* *";#+ 0**4 . ,$"* $"1"- 0+*

5 & '

?' -4#0 25+*$+ F0#-01 '"##+*,"-2+ 0" . +G 2+ #-0 " 2+ AC>I

#0G -" ,# -' , " 2+ '020 -4 . +#" "#+1#0$" +0 ; "/#0, : 0 2+4 . 0 ,+#*"-0/+ . 114*$#+ ,"#$4/4+G0 " 94+ 2D D 5 0 /4 . 301"#

" $+ . 01/4-* 0#1 /"* 2+ 4$1 '4# "* 202+(" 01/4-* 2"'4 . + $"* 2+ ; *$"# 0 ,"#$4/4+G0E -" 2+ . 0 *(" +0-+'2"$ '" +F"'"*"

5 . .

" ,4;1 '02" " AS -4#0 -" "#$" +#0 AC>D

#2F/'$030Z*+ ,4;1 '0# 30# +* ",4*'41"* -$+#+**0-$+*(" 0 -20 -+2 $"*(" "4 #+ #0,# #0 # 01/4-* +*'# ,$"* 2+ +2 /"+* #0#0*

+*/#0/020 . +-$+ -0" " ,"# 2 0-1+ +*10 ,4;1 '0/0"(" 01 D* $0" +*P

5

4;1 '0/0" ,+# "2 '0 -0 ' 202+ 2" "#$" + . ACDA(" '"-$+-2" '" . ,"* /"+* ,"+$ '0*(" ,+10 . 0 "# ,0#$+ 2+ ,"#$4+-*+*

+F0 0 +*$+ #+*,+ $" 0* -"$ ' 0* 94+ 2D --"'+-' " #0-' *'" 20 130 -" $" . " 6S 2" # 3 * ,0/ ID6

5 .

"-*$0(" ,# -' ,01 . +-$+(" 2+ +8'+#,$"* 2+ 1 3#"* + 2"'4 . +-$"* 0-$Z

L 7M +%1 5 $%B) *0" #1 + 2#1B "# 78E7

5 &/' B ** D

*$+ *+ . 0-0# "(" $0" #+'"#0 . +-203+1 ,+10 '0# 10$ 30 0, ,1 '0/0" 94+ $ -:0 . "* -$+#+**+* 94+ +11+ ,"2+**+ ,#"24G #(" 2 #"4 2+*2+ AC7W 0 AC>A B?' -4#0 AS $+#-' 0 20$0 2+ A> 2+ 0-+#" 2+ AC7W

" 5 &# " &&# '%# 5 0 $) 6 #1 '%# #B#)) "0)20

+-2+*' +01(0*01' ;+ #"(+' "41#"*' -"$03+ *' +-/+-:"*' ;01;4' 0#0 .' 0*' ‖,# . + #0*' *N110;0*' 2"*' *+4*' ,#"$+*$"*' 2+' +' 1 $$+#0# 0E' ,"#94+' "' 011' 94+' +11+*' '" . +/0#0 .' 0' 0G+#' "*' *+-*' ,# . + #"*' +-*0 "*

"' ' 2 G 0 .' "*' #+20'1"#+*< $ "+* 0' +' 1 11+#014#0(+' #" . 0-R '+*' '"#0,"#0"' 0*' ,0/ -0*' 2"' -"**"' F"#-01(+' ; *'0#+ . "*' ,"#' +-$#+' 0*' 30# 020*' '6#+*' 2"' 5 ' -1#"24G #(9-0-1"' ,"** 3+1(0' -*1#4'' "' +' "' 2+1+ 1+("' 4$ 1' +' "' 0/#0F03+1' "24']"+*' "# / -0+*' "#-0#0"(,"#' 3+G+*(*40*' '"14 . -0*Z' 94+' -0"' *+ . ,#+' ," *' 21 1 ' 1 . 0' '"4*0' *+' 0(+' . 4 1"' *4,+# "#' 0' -"**0*' "#'0* Z "' 30*1 ** . "(+' 0 -20' ,"4'"' 0##"1+02"' '0 . ,"' 20*' : *$"# 0*' -0' "-0P‖ (2+,0# . "*' -6*' 0;4-2 -1+*' '"1:+ 10*(94+' 2+' $+ . ,"' +#0' $+ . ,"' "1 +#+'+#+ . "*' 0"*' -"**"*' 1+ "#+* Z

"#0' #+ "#+-' 0' 0"*' #" . 0-'+*(";*+#3030 *+' -"' ,#"+ . "< K *$+' /+' -+#"' 2+' 1 11+#0$4#0 '" .' 940-$"' . 0 *' 1 /+ #" -0"' . +#+'+' *+#' 2+*2+# :02"(,"#94+' + .' *40*' 2# . 0*' ;+110*' +' /#0' "*0*' . +* . "' "' 1 $ +#0$"' '"-*4 . 02"' '"1:+' :+ .' 0,#+' 03+ *' 260*' *' #" . 0-'+*' : *$"# '"*' *+#0"' ,#+ +# 2"* H

-'"-$#0 . *+' -"' "*0 '"' 0*' ; "/#0,: 0*' 2+' 4 .' /#0-2+' -4 . +#"' 2+' ,"#$4/4+G+*' 114*1#+*' ,"#' 2 3+#*"*' 1 141"*

5 ' ' ' ' ' '

" .' +*$0' ;+ .' '"-:+' 20' +, /#0,:+' 2+' 1"#0' "<

9 ' '* ' , ' ' ' '

' '* , '

?' AS' -4 . +#"' *0 4' +#0' . 0 "' 2+' AC>?

0' (& "' '" . +'030 .' "*' #+20+$"#+*' ,"#' +8,#+**0#' +*$+' ;+1' 1 ** . "' ,+ *0 . +-$"<

K 41$ 30#' +' +-/#0-2+'+#' "' /+- "' -0' 30*$0' +8 +-*0"' 20' #+,4;1 '0' 20*' 1+$$#0*(+' 2"*' '"4;+' . +-$"*' 4$+ *(+1 ' $0-2"' 25+*$50#$+' 0' 1 4 . 0- 202+' '" .' 0' 2 4*0"' 2+' 14G+*(6' 424; $03+1 . +-$+' "' . 0 *' *4;1 . +' . + "' 2+' 2 # / #' *+/4#"*' ,0**"*' ,0#0' 0'94 * 0"' '8:4;+#0-$+' 2+' 4 . 0' /1"# 0' +*10' 3+1(0' 94+' +3+' 0*, #0#' $"2"' "' :" . + . (94+(3"$02"' 0"*' ,4#"*' *+-$ #0+- ' $"*' 20' 3+#202+ #0' ,: 10-1#", 0($+ .' '"#-+#' ' 3 '"' $. ;#+' *+#' 4$ 1' ' *40' ,0$# 0(+' + .' /+#01' 0"*' *+#+*' 20' * 10' +*,+' +-P

#" . +$$ 0 .' #+*+#30#' + .' '020' -4 . +#"' 4 .' '"-* 2+#03+1' +*,0'"' ,0#0' 0' +8,"*)0"' 20' : *$"# 0' /+#01(+' +*,+' 01 . +-$+' 20' : *$"# 0' 2+' "#$4/01(*2+*'#+3+-2"' -5+* 0' "*' 0' "*' /+#0+*' +' $#0-*'+-2+-$+*' 0' $"20' 0' -0'0"(94+' . 0 *' 0' 11-*$#0 .' +' +-";#+'+ . (;+ .' '" . "' 0*' ,#"+G0*' +' -* /-+*' 0' '0-:0*' 2+' . 4 $"*' 2"*' 30#"+*' 0** /-0102"*(+-0' 94+' "#$4/01(0$$+-10' 0' *40' ,+94+-+G(. 0 *' 94+' 01/4 .' "4$#"' ,0 G($+ .' ,0#0' /1"# 0' *40' 10-1"

034 02"< : *$"# 0(940 6 20 F4*1 '0 0,#+*+-10# *0 '"#0" 4 . # ;4$" 2+ 1"03"# . + . "# 0 2+ :+#"+* $0 . 0- :"*(0** #0 '" . " 2+ '"-3+- +-' 0 ,"1 '0 ,0#0 *+#3 # 2+ -' $0 . +-$" + 2+ +*1 . 41" 0"* ,"#14/4+G+* ,#+ *+-1+* + 3 -2"4#"* Z

03 0 . 2+ *+# '"-*0/#02"* 2 3+#*"* 0#$ /"* . "#01 , : 1"*", : '0 +#+1 / "*0E 2 /+"/#", : 0 + ':#"-"1"/ 0 B"* 2" * "1:"* 20 : *$"# 0 (+- '0#0-2" 094+110 -0* *40* 2 3 *"+* #0*$#"-"#0 '0(, :N* '0(: *1"# '0 + , " 1 1 '0E 0* ;+110* 0-$+*E , "+* 0(-"* 9402#"* : *$"# '"* +10$ 3"* 0* 2 +#+-$+* +, "'0* 2+*2+ 0 *40 -0$ 30 "# /+ - 0$+ 0" *+4 0 ,+# + /" . +-$"E 7; "/#0, : 0 2+ ,+#*"-0/+-* '+1+;#+*('" . +8'+11+"$+* +*$0 . ,0*E 2 +'" -" . 0 , "1 $ '0E 0 0/# '41 $4#0E +$'

-20 :"F+ *+ "1:+ 0 '" . ,#"3+ $" " 5 +-'"-$#0 2" *+ 011 '0# "*"* + -*$#4'$ 3"* 0#$ /"* + -"$ ' 0*

5 &/' < B 4;1 '02" 2+;0 8" 2"* 0 *, ' "* 20 "' +202+ 20 N,"/#0, : 0 "# +-*+

?' -4 . 2+*$+ F"#-01 1+ . 0 20$0 2+ A 2+ 0/"*$" 2+ AC7C

" ,#"1"/" 2 G 0 . "* #+20' "#+*<

K $+-/0" 1 $$+#0# 0 20 ,4;1 '0/0" 2+*$+ ,+# "2 '" + 0 2 341/0/0" 2509-+11+* '" :+' . '-$"* 4$+ *(94+ 02 . $1 -2" *+#+ . $#0102"* *+ . 0 +*,+' 01 202+ 2+ ,# -' , "* *' +-$ '"*(+*$0" 0" 01'0-'+ 2+ $"20* 0* - $+11 /+-' 0* F

,4;1 '0/0" 2" 5 $+# . #-"4 '" . " -4 . AI(2+ 2+ F0-+ #" 2+ AC7W

+#'"##+-2" 0 '"11+'/0" +-'"-1# . "* 01/4-* 0#$ /"* -$+#+**0-$+* 2+ 1 $$+#0$4#0(+ "4\$#"*(+ . . 0 "# 940-$ 202+(#+10$ 3"* 0 -24*$# 0

9 &/' * :

0$0 *+4 ,# . + #" -4 . +#" 2" 2 0 A6 2+ -"3+ . ;#" 2" AC>7

: *$"# 0 25+*$+ F"#-01(-0 ,0#$+ ,"1 $ '0(+ ,"# +8$#+#0" -$+#+* *0-$+ + '4# "*0('" . " "* 1+ $"#+* ,"2+#0 3+# -"* * * * 2" *# "0 , . 0#$ -* 2+ 0#301:"

. I6 2+ F0-+ #" 2+Y CD> . 42"4 " 9 " *+4 $ $41" ,0#0 2+ : 94+ 0 -20 :"F+ BACVC +8 *$+(+ ;+ . ,0#0 2+*+F0# 6 94+ 3 30 1"-/"* 0--"*

" . 0 . 0 "# *0$ * 0/0" $#0"*'#+3+ . "* 094 " F4 G" 94+ 0#+*,+ $" 2" : +8,#+**"4 --"++-' " #0-' *'" 20 130<

"*$" 94+ ,# -' ,01 . +-$+ 2+2 '020 0 ,"1 $ '0 . 1 $0-$+ + -"$ ' 0* 2 0# 0*(+*$0 "1:0 ($"#-0 *+ 2+ . 0 "# -$+#+**+ *";" , '-$" 2+ 3 *$0 1 $

. N ; J

1+#0# "(+-# 94+' 20 '" . " *+ 0':0 ,"1"* - - . +#"*"* 0#1 /"* : *$"# '"*(
0#':+"1"/ '" F('# 1 '"*+ ,1 1"1"/ '"* +*,01:02"* *4''+** 30 . +-1+ +$- *"4*
"1:+1 - * H

*"4 ,#",# +$0# " + #+20'$"# " #+ +# 2" *# "094 . 0#1 -* 2+
0#301:"(0 #+*,+ 1" 2" 9401 2+*+F0#0"* #+/ *$0# 09 4#- $+*1+ . 4-:"
2+ 1" 3"# + 2+ 0/#02+' . +-1"('" . " " +8,#+** . "* -" 0- -" 2+ ACVD(
,"# "''0* 0" 2+ ,4;1 '0# +11+ 4 . 0 -$+#+**0-1+ -"1 ' 0 a '#'0 2" F"#-0
* . " + . " . ;#0<

< *

" : 2+ AD 2" '"##+-$+ . +G 2 *+ 4#- 0#$ /" -$ 14Z
102"< ? : EF/F2EFLM

4 . 0 -"1 ' 0(2+ . 4 1" 41 1 '4# 9 202+ *";#+ 4 . #0 . " -$+#+*
*0-$+ 20 -"**0 : *1"# 0 1 11+#0# 0(+ 4 . *4;* 2 " 0,#"3+ 103+1 ,0#0 " $#0
;01:" /+#01 J 20 . +* . 0 -014#+G0 J #+101 3" 0 $"2" " #+ -"

-2 '020 -"1 ' 0 +*'# ,10 ,+1" *# "094 . 0#1 -* 2+ 0#301:"

0 +*1+ +*'# ,$"#(10;"# "*" ,"# /+- "(+ -'0-/03+1 #0:01:02"#
,"# *+/4-20 -014#+G0(0 +11+ 94+ +4 0,,1 '" 0 9401 1 '0 0" :"-#"*0 2+

*

' " . +1 + $"(3+#202+ #0 . +-$+ ,#+*$03+1 + " *# "094 . 0#$ -*
2+ 0#301:" 0" *+4 ,0 G('" . " -3+*1 /02"# 2+ 02+* : *1"#1'"*(2+ 2" '
'4 . +-$"* . ,"#10-$+*(2+ -" '10* 2+ * . #0" - +#+**+ #+*$03+1 +11+(
,+1" '4 202" 94+ + . ,#+/0 -0 #+'1 1 '0'0" 2+ 2010*(-0 +8,1 '0 0" 20 :0
14#+G0(01'0-'+ + * /- '0'0" #+01 2"* 0'"-1+' . +-$"* + 2+ ,#"3 2+-'10*
2+ 30# " /+ +#"

0" -$'##" . ,+(4 . * -*$0-$+(" +*142"(0* 2 1 /+ ' 0*(0* -
3+* /0'"+* 94+ +-'+1"4 :0 0- -"*(+- 142" 940-$" + ,#",# " ,0#0 +*
'10#+'+# 0 -"**0 : *1"# 0 J "4 ,"1 1 '0("4 #+1 / "*0("4 02#0 - *$#01 30("4
1 11+#0# 0E 1"#-0-2" *+ 0** . 4 . . "2+1" 2+ ,+#*+3+#0-/0 -" 0 . "# + -"*
:0; 1"* 2" $#0;01:"

. ,#+2 '02" " 0G . 4 1" #+'" . . +-203+1(+ 3+ . 0 *+# " 20 #
. +G0('"#0/+ . + 2+*1 . 2+G '" : 94+ 0,#+/"0(-0* '" *0* 2" -"**"
$+ . ,"(94+ $+#- -0 '"-$0 2+ 3'#202+ #"(2+ -+'+**0# "(2+ 41 1E -0"
#+'+ 0-2" $" . 0# *";#+ * " ,+*" 20 #+*," $0;1 1 202+(-+ . 011#"-10#
2+*0/#02"* + 11+ 20 $+ . ,+#0 25'**+* :" . +-*(, , 6 , 1D* , 2
+**+* 10+* * :0 94+ #+'" . . +-20#(2+ 3+G+ . 940-2"(
0 2+1 '020 #+/#0< 4 N6 $

**+ 94+ * -$" 0 #+*,+ 1" 2" *# "094 . 0#1 -* 2+ 0#301:"
2 . +-$+ 0''#+*'+-10#+ 94+ +11+ 4 . +8+ . ,1" -"$03+1 2" 94+ , 2+ 0

"# 0' 20' 3"-$02+' -"' +*542"(' -"' 2+*+-3"13 . +-$"' -$+11+'$401' ?' *#' "0 ' 94 .' 0#1 -*' 2+' 0#301:"' -+ .' *+94+#' $+3+' 0' :0; 1 10/ "' 2+' 4 .' * . ,1+*' +80 . +' 2+' -*$#4'/0"' ,# . 0# 0

" '&/' ' ' ' '

9 ' ? $ '&/'+' ' ' ' ' ' *;"0
0$0' 2"' 0--"' 2+' ACD?
"*' ,"4'"*' -4 . +#"*' 94+' ,"2+ . "*' +-"0-1#0#(' 3 + . "*' -"' '"-:+' '
#"+-$"' 2+' 94+' +*$+' F"#-01' 0,+*0#' 2"' *+4' $ 41"(' -0"' '"-1 -:0' -"1 ' 0*' 94+'
,# -' ,01 . +-$+' -1+#+**0**+ .' ' 1 1$+#0$4#0
0 4' ' ,# . + #"' -4 . +#"' + .' Á 2+' *+$+ . ;#"' 2+' AC>?
-;0' ,"# 2 3 *0' "' '"-'+ $4"*"' 2 G+#' 2+' 0' 2+' #0-20<

+"#' "-0'%#1' $0 0' 0)" 1
0&' 2 ' #' 2 ') 60 #&0
%" '&#%&' 02#&& &')#1 0
L' '%#' +0 ' #G$# 1 +,0 #&
0 ' % "#&' '% ' '&OB#&' B#1

?' 9 ' ? $ '(0,#+*+-$030 *+' . "2+*$"(' 2 G+-2" *+' '
' ' . 0*' ' ' ' ' ' ' *

#+$+-2 0' #+'"#20#' ,*' '0*"*' : *1"# '"*' 20*' 2 1 +#+-$+*' -0/"+*E -'
+# #' 0#$ /"' *";#+' 0*' ;+110*' 0#1+*(' ,+2 -2"' -2 1/+-' 0' ,0#0' 0*' +*$0 .'
,0*(' 94+' :03 0 .' 2+' *+#' + 10*' ,"# 0#1 *10*' ,"#14/4+G+*E +(' -01 . +:1+('
" +#+'+#' 0" ' *+4*' 1+ 1"#+*' 0#$ /"*' 2+' :"# +*$0' #+'#+0/0"' +' 2+' -*$#4'/0"'
. "#01

+#'"##+-2"' 01/4-*' -4 . +#"*' 25+*$+' ,+# "2 '"(' 3 . "*' 94+' 0' $"2"*'
"*' #+*,+ $"*' 2 1 /+-' "4' '4 . ,# #' 0*' *40*' ,#" . +**0"' +' 2+*+ . ,+-:0#' "'
*+4' ,#"/#0 . . 0 (' -$#+' 0*' +*10#0,0*' 3 . "*' '" .' *0$ * 0/0"' 0*' 2"*' #+$#0'
$"*' 2+' 0*'"' 20' 0 . 0(' +' 20' #0 -:0' ' 4 *0' 2+' 4* . 0"(' 114* #+' . 4'
:+# 2+' +1 #+' ' "0"' 3

9 '&/' ' ' ' ' ' '
*$+' F"#-01(' 2"' 0--"' 2+' AC>V(' 02",1"4' "' *+/4 -1+' 5 '
' +(' -5+*$0' '"- "#. 202+(' *+' ,#", "G' 0' '# $ '0#' "*' '"*$4 . +*(' "*' 2+'
+ $"*' +' #094+G0*(' 25094+11+' $+ . ,"(' # 0*' 2 3+#*0*' '10**+*' +'"-2 /"+*' 20'
"' +202+(' 0;#0-/+-2"' 0 . ;"' "*' *+8"*
+' 3+G' + .' 940-2"' " +#+' 0' "' 9 ' 0"*' *+4*' 1+ $"#+*' 01/4 . 0*' '"-'
* 2+#0/"+*' /#03+*(' 94+' 4 .' *+3+#"' . "#01 *$0' -0"' +-/+ 10# 0

$ ' +* . "10 2"3+ *+# * ' "2"* 940 -0*'+#0#0 $++ . ' 2 #+ 1"
0" *4*1+-1"('" . " 1++ . ' 0" *"1(, ' ' * ' ' +' 0" 0# 94" +' 2+'
$"2"* "* +-1+* 94+' 3 3+ . ' +' 3+/+$0 . ' ' 094+11+* 94+' -0" * ' '" . '
"* - ''+** 102"* 0 0;4-20-' 0 2+' 94+' /"*0 . (0110 . ' 0 4 . ' 2+3+#(94+' '
' ,# . + #" 2+' $"2"* "* 2+3+#+* Z

0 -;+#-' #+/ *1030(094' +' 0'"1 (,+-*0 . +-$"* F42 ' "*"*(0;"-02"*
,+10 +8,+# +-' 0 +' ,+1" '"-:+' #0+-$" '2"* :" . +-*<

K 94+11+')4+' $+#-' -3+F0 2+' -"* ,+#2"0 -"* . 0 * 2+,#+**0 "* 3 ' "*(
+' 0$+' . +* . " "* '# . +*(2" 94+' " . +# $" +' 0 3 #$42' Z

K 020 +' . 0 * -$"1+#04$+' 2" 94+' 0 2+0 2" -$+#+**+' -2 3 2401 $#0-*'
"# . 02" + . ' ,0 '0" ,"1 $ '0 Z

. 1"2" ' '0*" 0 -2"1+' 2" 9 ' ';+ . ' #+3+1020 ,"# +*$0 +8 '
,#'**0" 2" *+4' ,#"1"/"< " ' ,#+' *" ," * *+# 01/4 . 0 '" *0(+8'+,1" :" '
. + . ' 2+' F4 G"(,0#0 0':0# '" . ,0-:+ #"* +' '"-3 3+-' 0 H

'&/' ' ' ' ' ' ' ' * * 2
' ' '

?' ,# . + #" -4 . +#" 2" ' *0 4' 714G -" 2 0 ' 2+' . 0 "
2+' AC7V

0 (' +#0 +8,"*$" " ,+-*0 . +-$" 20 #+ +# 20 *"' +202+(
0" +-'+$0# ' ,4;1 ' '0" 2+$+'F"#-01(-"* *+/4 -1+*F+# . "*<

0 ** #0 0 *"' +202+' ,#",0/02"#0 2"* 1 3#"* 4$+ * F41/"4' 2+3+# *+ '
/- # ' +8+ . ,1" 2"* ,0 G+* . 0 * 114*$#02"*(0G+-2" ,4;1 '0# 4 . ' F"#R
-01 94+' 2+##0 . 0**" 4 . 0 -*1#4'/0" 30# 020(+' 94+' ,"2+**+' 0,#"3+ 0#
0 $"20* 0* '10**+* 2+' ' 20204*(0'" . #0"20-2" " 0" +*$02" 2+' 01#0*"(+ . '
94+' 0 -20 -"* 0':0#-"* ' *$0 -";#+' + . ,#+G0 *+#0 ,"# +#1" 1"43020
+' ,#"$+/ 20 ,"# $"2"* 094+11+*(94+' 0 . 0 . ' 2+3+#0* 0 ' 3 1 *0) 4" 20 *40
,0$# 0 ,

+#+'+' +*,+' 01' +' #04 $" 1 "-#"*0 #+' "#20'0" 0 2+2 '01"# 0 +1"9 +-$+'
+' *+-$ 20 2" F"#-01' ' *+-:"#0 ' 0#10 ' +.' *+ . ,#+' $+# ' ':0 . 02" 0
0 01$+-) " 2"* ' $4#+* +*1+' 2"'4 . +-1"E . 0* +' '+#1" 94+' *+# ' 094 '1 2"
'" . ' *0$ * /0"<

0 +-:"#01' /-"4 *+ ' ' . 0-20#((0F4-$0# *+4' 04/4*$" F " . +' '
1 *$0 2"* 0'' "- *$0* 94+' '" . ,"+ . ' 0 ' * * ' ' 2
' ' ?' 0 . "# 94+' ' ' '"-*0/#0 0"* ,"#14/4+G+*(+' 0 '+#$+G0
2+' 940" -";#+* +' ,#"3+ 1"*"* +#0 . ' "* -1+-$"* 25+*$0 ' +8' $0 '
#0 . ' ' ' 0 ,#+*$0# 0 *40 #+01' ,#"$+''0" 0 *+ . +1:0-$+' + . ,#+*0(94+'
+ . ' 243 20 ,#",+#0#E0('" . "'0-2" '" . ' $0" +1 G+* 04*, ' "* ' '
' +*$0 . ,0-2" 4 . ' F"#-01' 2 # / 2" 0 , # + . ' ,#0$ '0 " *+4' -14 $" ,0 '
$# "$ '"(*1" 2(# 2+##0 . 0# '"-:+' #0+-$"* ,#"1 '4"* +' 30# 02"*(F41/"4' 2 "(

*+4 2+3+# 2+2 '01 " Ø (*+/4#Ø 2+ 9-+ ' '"-$ -40#2 Ø 03"#+Z '+1 0(#+'+;+-2" +*$Ø ,#"30 2+ /#01 20" 2+ 4 . Ø ,0#$+ 2+ *+4* *4;2 $"*(9$ +(-5+*$Ø + . ,#+*0(1 3+#0 . ' ,# - ' ,01 . +-1+ Ø ,+ 1" 20# " . ' $+*$+ . 4 ! ' 2" 0 . "# 20 ,0$# 0(3 #$ 2+ 94+ +#Ø /#04 *4; 2" 02"#-Ø " '"#0 0" 2+ ' ' * ;"-* 2+*+F"* '" . ' 94+ " ' $+-1020 *4, ,# #0" " 94+ 0110 2+ . +# 1" -5+*$Ø ";#0(+ Ø + ' +*,+#Ø 94+ +110 *+F0 ;+- /-0 . +-1+ 0' '+ $0(+-'"-$#0-2" " 0 . ,0#" 2" ' $:#"-"(Ø 94+ ' ' *0;+ 20# -"3" ;# 1:"(0,+*0# 2+ -5'1 + *+ $+# 0**+-$02" Ø 1"-/0 *+# + 2 * *+-:"#+* #+ * ,"#$4/4+G+*("* . 0 * +8'+11+-$+* 20 4#",0 Q

' *"' +202+ ,#",0/02"#Ø 2"* '"-1 +' . +-$"* 4$+ * $+3+ Ø +1 G -*, #0 ' 0" 2+ '"-3 20# ,0#Ø Ø +20' 0" 2" *+4 F"#-01 " /#0-2 ' 1+80-2#+ 1+# ' '410-"(+ Ø ;"Ø "#$4-Ø 2+ '"-*+/4 # 94+ +11+ 0''+ $0**+ " :"-#"(*" 940-$" 2 ' 1 +-'0#/" ' 0**02" $+ . ,"(+ . ' 7A 2+ F41:" 2+ AC7C(#+'"-:+'+4 Ø 0**+ . ;1+Ø /+#01 " 2+3+# 94+ :+ -'4 . ; Ø 2+ 1"430 ' + 0/#02+'+# "* #+ ' 3+10-$+* *+#3 "* 94+ 1+80-2#+ +#'410-" ,#+*10#Ø -Ø #+20') 0" 2" ' 4-'Ø *+#Ø 2+ . 0 * " $#0G+# 2 1+ . ;#0-/Ø Ø -";#+ '0#$Ø 94+ +-2+#+'"4 0" +8 . " #+20'$"#E + Ø *+/4 -$+<

$ 11 `S # J ' **+ . ;1+Ø +#01 20 "' +202+ ,#",0/02"#Ø 2"* '"-:+' . +-$"* 4$+ *(+ . ' *+**0" 2+ ;"-1+ . (3"$"4 4-0- . + . +-$+ 94+(+ . ' *+4 -" . +(Ø 2 #+''0" 3"10**+ Ø ' U " . 0 * *4; 2" 0, ,104*+ ,+10 +8'+11+-1+ #+20''0" 2" ' + 94+ +*$+ . " . . +-$" 20 *40 /#0$ ' 20" *+ G+**+ ,4;1 '" + . ' 4#-' 2"* ,#"8 . "* -4 . +#"* 2094+11+ F"#-01 ' ' '" . ' . 0 "# ,#0G+# 94+ Ø 2 #+')0" '4 . ,#+ +*$Ø 2+$+# . -0/0" 20 0*R *+ . ;1+0E + #"/Ø Ø ' U *+ * #30 2+ Ø ,4;1 '0# '" . ' Ø ;#+3 202+ ,"** ' 3+1 ' +"* 40#2+ Ø ' SJ *;"Ø 7A 2+ F41:" 2+ AC7C J K SU #' 1+80-2#+ "#'01*-" 2+ 0#301:" + #04F" SJ * #+'$"#+* B +/4+ . ' 0* 0** /-0$4#0* S

0G /"*$" 1+# "* +1"/ "* 94+ Ø +*$Ø . ,"#$0-$ ** . Ø ,4;1 '0/0" ,+# "2 'Ø $++ . ' * 2" +1"* . $0# -"* :+ . "* Ø #+/ *$0# 4#-' 5+11+*) 40-2" + . ' ACDV " ' ,4;1 '02" " ,# . ' #" -4 . +#" 2"* ' ' ' *";' "* 04*, ' "* 20 '02+ . 0 +0 202 ' +-' 0* 2" *;"0(3 -:Ø +11+ ,#+'+'1 2" 2+ 4 . Ø -"103+1 = #"2b' 2"(S+10;"#020 ,# . "#"*0 . +-$+ ,"# 2" * 0+02F+ . '"*(+;+11" 20 130 + ",+* 2+ +-' 2"-/0 : (-" -$4 $" 2+ 0G+# *+-1 # 94+ 0* ' . "# 0* 20 '02+ . Ø . 0" +#0 . ' $0" +1 '0G+* ,0#Ø 2 4-2 # "* '"-:+' . +-$"*('" . " 4 . Ø ,4 ;1 '0/0" ,+# "2 '0(94+ ,"2+**+ '"-* 2+#0# *+ " . + " $+# . " +-$#+ " F"#R -01 + ' 1 3#"(' $030 *+ " +8+ . ,1" 2"* 41+ * 94+ " ' $ -:Ø ,#" ' 24G 2"E + *+ 2 G 0<

K " '"-$#0# "(Ø -14+-+ Ø 2" ' " . 0 * 02 . #03+1 -*$#4 ' . +-$" 2+ - ' 0/0" -$+11+'$401(-" 0$#0G" #+101 3" + . ' 94+ +8 *$ 0 . "*(

. 0- +*$" ' "*' *+4*' + + $"*' 2+*2"' 1"/"(+(#+2 / 2"' , "# 01/4#00*' 20*' '0 '
,0' 202+*' . 0 * 2 *1 - '10*' 2"' ,0 G(94"' :"F+' $+- "*' 0' ;""#0' 2"' '"-$0# '
-4 . +#"' 2"*' -"**"*' *"' "*(0,+# + /""4' 0' 1 - /40(2+*+-3"13+4' "' /"*1"'
,+10*' 1+1$#0*(+G #+3 3+# 0*' -"**0*' #02 /"+*' -0' . 0/ -0/0"' ," ,410#(+'
,"# +11+' *+' 2+4' 3 "' +' . , 1*"' 0' +**0*' 3"'0/"+*' -"30*(94+' 3+ . "*' /#0 '
2401 . +-$"' :"F+' # *";#+*0 -2"+ . ' $"20*0*+*, : +#0*20' 0'$ 3 202+' *"' 01 Z
?' ' 20' AZ *+# +' $+# . -" ' + . ' AC>>E . 0*' 0: ' '"4' +**0'
,#+' "*0' '"11+'/ (-0' 940' ;# 1:0 . ' ' +' ' * ' ' ' '
' ' ' +' ' ' * * ' ' ' 2

' -";#+' +' #-4 1"' 0;"-0' 0' /+-+#"* 202+' 2"*' #+20'$"#+*' 2"' -b" '
' 20' AS *+# +("' 94+' 2 G 0 . ' +#0' AC>‖ <
" +#0' *0;+ . '*' 94+' '020' 4 . ' F"#-01' 1 11+#0# "' $# 1;0' 4 . 0' *+-20(
,#+ +# 20' ,"1"' 94+' ;+' 2+1 - '"4' "' '0 . - :"' -"' . 0, ,0' 0 . ,1 ** . "' 20*
' +-' 0' +' 20*' 1+$$#0*E . 0*' $"20*' +* 0*' *+-20*' *0"' #0 "*' '"-3+#/+-1+*'
,0#0' 4 . ' ' #'41"(94+' +' 0' -*$#4'/0"' '" . . 4 . E 1"43"# , "# $0-1"' 0' 1"2"*'
"*' -"**"*' '" . ,0- : + #"*' 2+' 10"' /1"# "*0' F"#-020 Q
. 0' -"30' + . ,#+*0' 94 G 0G+# #+3 3+# "' ,# . 1 3"' #+, "* $"# "(+'
0 -20' -"*' 0- -"*' 2+' AC>6' +' AC>V' , 4 ;1 '"4' 7C' -4 . +#"*Z
. ' AC7IZ"41#0' + . ,#+*0' *+' +30-$" (94+' , "2+' *4* +-$0# -"30'
,4;1 '0/0"' -"*' 0- -"*' *+/4 -$+*' 0$+' ACDCE +' . 0 *' $0#2+' 0 -20' 0, ,0#+' '
'+4' "41#0' $+-101 30
' , "#+ . ('+#$"' 94+' -0"' , 2+' . 0 *' 011 - / # *+' 0' #0+$0' "-2+' :03 0 . ' ':+/02"' "*' ,# . + #"*' 14'102"#+*Z

' 1' 78D<' 0' * 1#60 .&#' 0' N ' &# #' $ 1 #)) 0.&#' '%#' ' ' * +.'
) +%0 0' 0' * 1 $.&#' * 1 #' "=0+,#&' " ' ,%" ' ' '%#' &#'@%)60&&#' "# $ #&, 1 ' #1'
)#&* B 1 #+) &' &* #+, 5 * &' #1' 0$# 5# 6 01#+, &' "#' +"%&, 0' # + &' +2#+) &'
#1' 0)#&' 0' $0 ' "0&' + 2 "+"#&' + ,02# &
020.&#' * 1 ' 60"0' 2#H' 1 0 &' 0$# 5# 6 0"0' 0' 6 02% 0' # 0' 1 0"# 0' '%#' '
' "0' P ' &# #', +(0' +, "%H "
I 1 #, 0.&#' *1 $ #60 ') Q ' ' *%@"0" ' #1' '%#' 0') +6%06#1' " ' $# " * '
5 &&#' 2# "0"#@ 01#+)#' $)%6%#H0
0"' +*94+'+# 0 . ' 0* -"/"+*' 2+' *' +-' 0* -0$4#0+*(+' 0* 20* *' +-' 0* ."
0#&
' 0' (+ ' '%#' #&,0' 0' 5 #+,#' " ' ' 78ED' " H' 0' # , $ #&0'
'%#' ' 0++ ' "#' 78E;' 5 ' "#' 2# "0"# 0' $ 2060 ' #' #G$# #+* 0' #1' * +&#'%#+.'
* 0' "0&' " 5) *%)"0"#&' '%#' #))0' *+* +) %4' 1 0&' '%#' 0 +"0' 0&& 1' 0)' 5 6% 020 0'
+ 1#&' B)(0+)#&' "0' + &&0') ,,# 0)% 0' 0' $0 ' "#' %) &' 1 % , &' 1#+ &'))%&, #&'
"#' *# , ' 1 0&'@0')0 60 1#+)#' * " #&' 0' $%B) *0' #&, 1 060
-' I #,#(" 0.&#' '%#' ' ' * +&,)% &&#' % 1 0' #&$#* #' "#' B B) ,(#*0' &#.'
)#*,0' '%#' $ "#&& ' #1', " ' ' ,#1 $ ' * +&%),0 .&#' * 1' 0)6% 1' $ 2#,

.ˢ ACDIˢ 2+- *+ˢ '" . "ˢ 0;"-02"#0ˢ 2"ˢ '#+2 1"ˢ 20ˢ ,4;1 '0'0"ˢ 0ˢ ' #ˢ '0 . *$0-' 0ˢ 2"ˢ - +#+' . +-1"ˢ 2"*ˢ '"110;"#02"#+*(+*,+#0-2" *+ˢ 0"ˢ 9-+ˢ +#'"10-"ˢ +ˢ 0*1 :"ˢ +*'#+3+**+ .ˢ 01/0-*ˢ 0#1 /"*Ė 0 2#0ˢ 0ˢ '"110;"#0'0"ˢ 2+ˢ "4$#"*ˢ :" . +-*ˢ 2+ˢ 1+11#0*

.ˢ ACDV(940-2"ˢ 0 -20ˢ *+ˢ ,4;1 '030ˢ "ˢ ˢ 20ˢ 7Sˢ *+# +(*+ˢ 2 **+< K *1+ˢ ,+# "2 '" ˢ +ˢ :"F+ˢ 0,+-0*ˢ 4 .ˢ +' :"ˢ 2"ˢ 9-+ˢ " (+(*+ˢ 3 3+(+ˢ ˢ *" . ;#0ˢ 2"*ˢ 1 $41"*ˢ 2+ +*$ .0ˢ ,4;1 '0ˢ +ˢ '#+2 1"*ˢ -1+11+'140+*ˢ 94+ˢ *"4;+ˢ /#0-/+0#ˢ +ˢ # .-# + .ˢ ,02#1 ;(94+ˢ 0ˢ 1+ . ;# -/0ˢ 2"*ˢ :" . +-*ˢ 1 2"*ˢ #+*,+ 10#0ˢ 0 420ˢ ,"#ˢ . 4 1"ˢ $+ . ," Z

ˢ &/' ˢ O

0$0ˢ 2"ˢ 0--"ˢ 2+ˢ AC>>

11+#014#0(: *1"# 0(-2-*$# 0(, : 1"*", : 0(*' +-' 0*ˢ -0$ #0+*< 2+ˢ 142"ˢ +-'"-$#0 . "*ˢ -*$#4'1 3"*Z 0#$ /"*("# / -0+*(4ˢ $#024G 2"*(-5+*$0ˢ ,4;1 '0/0 ˢ ,+# "2 '0

?ˢ 114*$#+ˢ ,"#$4/4+Gˢ 13+*$#+ˢ -:+ #"ˢ +##+ #0ˢ ,4;1 '"4ˢ+ .ˢ"ˢ

ˢ 0 /4-*ˢ 0#$ /"*ˢ ; ;1 "/#0,: '"*(2+ˢ +'"-" . 0ˢ ,"1 $ '0(+$'ˢ ," -ˢ 10#+ . "*('" . "ˢ +8+ . ,1"(0ˢ -"1 ' 0ˢ . 4 $"ˢ 1 *"-/+ #0ˢ 9-+ˢ 2+-ˢ 2"*ˢ 28 2ˢ ˢ ˢ # ˢ " ˢ ˢ ˢ * ˢ ˢ # P 2"ˢ *#ˢ +##+#Ė 0ˢ -"1 ' 0ˢ 20ˢ $#024'/ "ˢ 20*ˢ ˢ ˢ ˢ Q 2+ˢ :OR $+04;# 0-2(+$0ˢ +.ˢ 8 -/#0ˢ 2"ˢ +#" * . "ˢ -"ˢ 0--"ˢ 2+ˢ AC>>ˢ ,"# ˢ ˢ OR ;#01ˢ 2+ˢ '11"Ė 4 .ˢ 0#1 /"ˢ -$ 14102"< # ˢ D ˢ ˢ ˢ 2ˢ * ˢ +$'

"ˢ ˢ "#0 .ˢ $#01020*ˢ 01/4 . 0*ˢ 94+*1"+*ˢ /#0 . . 01 $0+*ˢ 20ˢ 1 -/40ˢ ,"#$4/4+GO

"ˢ . +N-"ˢ F"#-01ˢ$"#-0 . "*ˢ 01+#ˢ 0ˢ ;+11 ** . 0ˢ '0#$0ˢ 2+ˢ /-0' "ˢ 2+ 4ˢ :"+*(+ $"# 2+ˢ # . 4G(0ˢ ˢ 4 Gˢ 2+ˢ +-+G+*< K ˢ 0/" 3"*ˢ *0;+# 94+ˢ +*$0 . "*ˢ F0ˢ -"ˢ $+ . ,"(94+ˢ 4 .ˢ /+-1 "ˢ ,#" +$ *"4(94+ˢ "*ˢ ,"#$4/4+G+*ˢ /0ˢ -:0-2"ˢ 0ˢ -2 0ˢ '" . "ˢ '03011+ #"*(0ˢ ,+#2+# 0 .ˢ '" . 0ˢ . +#'02"#+*< 94 Gˢ 2 G+# ,"# 01 0ˢ 2+ˢ 3+#202+(+ˢ *";+F 2 "ˢ 2+ˢ '4; /0 S

+'"#20/;+* $0+* *0"‖01$0 . +-$+ˢ . "#01 *02"#0*(+ˢ 01 . +-10 .ˢ "ˢ ;# "ˢ -0' "-01ˢ * ,+# "2 '"*ˢ 94+ˢ 0* " +#+'+ .ˢ 0 '"-* 2+#0/0"ˢ 2 ˢ --4 . +#"*ˢ 1+ $"#+*ˢ 0G+ .ˢ 4 .ˢ ;" .ˢ *+#3F/"ˢ 0"*ˢ ,"3"*

ˢ &/' ˢ ˢ ˢ ˢ 8 25

0 4ˢ 0 14 . +ˢ "ˢ ,# . + #"ˢ -4 . +#"ˢ +#0ˢ 0-+ #"ˢ 2+ˢ AC>>

0ˢ ˢ *+ˢ 2 Gˢ 94+ˢ + .ˢ 0-+ #"ˢ 2+ˢ AC>Iˢ -0*'+#0ˢ 0 "' +2(02+ˢ *'"10*$ '" ': 0+1+-*+(2+*$ -020ˢ 0ˢ +*$-20#('"11 / #ˢ +ˢ ,4;1 '0# 0* . +ˢ . "# 0*(0ˢ $","/#0,1 0ˢ 20ˢ 1:0ˢ 2+ˢ ˢ /4+1ˢ 4''+2+4(,"#+ . (, ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ * ˢ ˢ 9ˢ 0G+-2"

0** #0' *4*,+-2+#' "*' $#0;01:"*' 20' 0**"' 0'0"' #0' F0-+#"' 2+' AC>>' #+K'
3 3+4' 0' *"' +202+' +' 1"/"' 2+4' ;"0' '"-10' 2+' *' ,4;1 '0-2"' "'
' 9401' 1 -:0' ,# -' ,01#0+-$+' ,"#' 4-' 0' : *$"# 0' . ';0+1+-*+
-'"-$#0#0 *+' -"' ' +-$#+' "41#"*' 0#1 /"*' 2+' 30# 0' -0$4#+G0(
"$ ' 0*' : *$"# '0*' #+10$ 30*' 7 11:0' 2"' ' /4+1(+*'# ,10*' ,"#' ' 2+'
"##+*(. 4 1"' -1+#+**0-1+*
4 $"' 1"43b+1 . +-1+' 0-224' "' /"3+#--02"#' ' 3 1' 2i094+11+' 2 *$# '$"(
#0-' *'"' 1 "-*"' 20' "*$0' :03+*' +11"(+#0' '"-3 20# 0*' '0#00#0*' . 4 '
- ' ,0+*' +' 02#0 - *$#0'"+*' 2+' '"-'+1:"' ,0#0' 94+' ;"43+**+#0' 2+' #0-94+0#(
0' ,+2 2"' 20' *"' +202+("*' 0#':3"*' . 4- ' ,0+*' +' ,0#"'; 0+*

'&/''' '$ ' ' '

". +'"4' +*10' ,4;1 '0/0"' ,+# "2 '0' +#0' . 0#/"' 2+' AC>C' +' 24#"4'
0$+' *+$+ . ;#"' 2+' AC>W

"-1"4' +-$#+' "*' *+-*' '"110;"#02"#+*' 01/4-*' -"$03+ *' :" . +-*' 2+'
1+$$#0*

#+2" . -"4' -"' ' 0' '# 1 '0(-0"' ;+- /-0' +' . "2+#020(. 0*(
'" . "' F2' 2 **+' 01/4+ . ('2+*0, +2020(,4-/+-$+(*+ . ' 940#$+$ -+ . ' ,+#'
20"' 0' $42"' +' 0' $"2"* P

0 . ;+#0' 0' #+*,+ $"' 2i+*$+' ,+# "2 '"' *+' 2 **+< K?' ' 4-202"'
+' #+2 / 2"' ,+$"*' *#*' 0$ -"' "+1:"' +' +#,0' . +-$+1E' '"-*0/#"4 *+' '
'# $ '0E' "' +-/+-:"*"' *+ . ,#+(+' ,+#' 3+G+*' *+3+#+ Z

'&/''' ! ' * ' ' ' ' ' #+'
' . ; J #0/0-/0($N,"/#0,:0' 2+' 2' 0#/0*
"'0',# . +#0',4;1 '0/0"',+# "2 '0' -0',#"3 -' 0' 2+' #0G "* "-$+*
.' F0-+#"' 2+' AC>6' #+'" . . +-2030' "' #+20'$"# 20' ' 0' 1+ '
$4#0' 2"' ' ! ' 0' $"2"*' "*' 0 . /"*' 20*' 1+$$#0*(0' $"2"*'
094+11+*' 94+' *+' -$+#+**030 .' ,+1"' ,#"/#+**"' -$+11+'$401' 20' -"**0' ,0'
$# 0(,"# 940-$"' -‖094+11+' ,+# "2 '"' 0, ,0#+' 0 .' ;+ .' +*'# ,$"*' +' 2+*'
+-3"13 2"*' '#$ /"*

'&/''' '

0 4' '1 L' -4 .' +#0' ' 2+' -"3+ . ;#"' 2+' AC>I
' #+20'/0"' ."*$#030 *+' '"-3+-' 20' 2+' 94+(+-$#+' $"2"*' "*' /+-+'
#"*' 2+' 1 $$+#0$4#0(0' #+10$ 30' 0"' :+0$#"' ' $013+G' 0' 94+' 0,#+*+-$0' . 0 "#
-'+-$ 3"' 2+' '4# "* 202+' +' ' #'4 . *$0-' 0*' . 0 * 2 3+#$ 20*' 1+ .' 2‖ **"(
' :+0$#"' $+ .' 4 . 0' 0'/0"' ."#01' 94+' -+'+** $0' 2+' +8,"* $"#' +' 2+' 0-0R
1N*+< K ' 4#-' *+#3 /"' + $"' 0' 0#$+' 2#0 . 0$ '0(0"',4;1 '"' +' 0' ."#01(+8,"#'
+' 0 01N*0#' 0' 0'/0"' 2"' $:+0$#"' ' '# 1 '0' +' '"-3+- +-$+' > 0#$+' +' 0"' 0#

$ *$0 *0#+ . "* 2+110 . 0 * . ,0#' 01#0+-$+ 94+ - -/4+#0 $0" #+'$0 . '-$+ 940-$" " '" . ,"#1+ 0 "**0 114*$#0)0"‖*";#+ 0 . 01+# 0 3
0" *+ "''4,"4 *" . +-$+ '" . " :+01#" ,"#$4/4+GE . 0* ,4;1 '"4 $0 . ;+ . " 94+ :+ ,0#+'+4 2+ . 0 "# -$+#+**+ 0 #+*,+1" 2"* :+0$#"* +*1#0-/+ #"*
-'+$"4 0 '# '0 $:+0$#01 0110-2" 20 ",+#0 % # . 4 * '0 2+ 0N+#;++#(,0103#0* 2+ '# ;+
". 8 * + -1#+$+3+ 0'' 0 ,"1+ . '0

1 + * *

0 4 0 14G . +-*01 . +-1+ -"* 0--"* 2+ AC 7 + ACD>
+3+ ,"# ";F+'1" #+,#+*+-$0# ,+10* 0#$+* 2" 2+*+-:" "* . "-4 . +- $"*(0* ,0 G0/+-* , $1"#+*'0* 2+ "#$4/01("* #0F"*‖-0' "-0+*("*#+1#0 $"* + '" . ,+1+-1+* ; "/#0,: 0* 2"* ,"#$4/4+G+* 114*1#+* -0* 1+1$#0*("" -0* 0# . 0*
?$+8$" +8,1 '0$ 3+ " +*'# ,$" ,+1"* *#* 20 130 411 "(-R $"- " 2+ +#,0("*+ 2+ "##+*(0$ -" "+1:"(4 G 1 , ,+ + $+(2# :" . 0G 2+ 0#301:"
:+/0#0 . 0 *0 # 2+G -4 . +#"*E + 10*$. 0 " 94+ 10" '4#$0 "**+ 0 24#0'0" 25+*$+ ;+11 ** . " #+,"* $"# "(94+ 0 -20 :"* -$+#+**0 + +- '0-$0 ,+10 +8'+11+-' 0 0#$ *$ '0(-0" . +-4* 94+ ,+1" $+8$" +8,1 '0$ 3+ 2+3 2" ,+--0* 2+ $0" 2 *$ -'$"* +*'# ,$"#+*

R/' # :
0 4 ,# . + #" -4 . +#" + . A 2+ *+$+ . ;#" 2+ AC>I
0 *+ -0 > K "-$0 F0 0 -"**0 # '-'" 0--"* 2+ 3 20E(+ -" . + " 25+*$+ *+'41" #0-* $"# " + 1/+ #"(94+ ,"# - * 30+ '"##+-2"(10#/" 3 3+# + +*$+ 0#+'+ $"203 0(. 0$ *0*"-02" #4'$" 2+ 0#3"#+ ."/0(2+ 94+#-' :+ 0 . ,0#+ "* #0 . "*(:+ #+/4+ " $#"-'"(:+ 2 # F0 0 -41# /0" *$+ *+# " ,# . + #" . *$+# 2" -"**" F"# -01 cP
?,# . + #" -4 . +#" '"-$ -:0 4#0 0#$F/" 2" *# "0" 2+ + ."* - $ $4102"< 5 +$#"E "4$#" 2" *# "*+ #+ #+ 2+ +#,0 . +-R $+1"< . 4 . 0 ,"+* 0(+ 4 . 0#$ /" 2+ +* 0$ *$ '0 20 - 3+#* 202+
?*+/4-2" -4 . +#" '"-$ -:0 4 . 0 ,"+* 0 -$ $41020< 3 * $#024+/0" 2+ 4 . 0 20* 5 2+ 0 . 0#$ -+ ,+1" 2# #0-R ' *'" 2+ 0*$#" #+ #+(*";#+ . 0-+ #0 . . "*0
"3 " . 1 $$+#0# "(+#0 2 *$# ;4 2" "41#" F"#-01 2" . +* . " -" . +('" . '" $ $41" *4;"#2 -02"< % # 2+*1 -02"

' , 4 ; 1 '0'0"' 20*' , + '0*' " ' 0+*(. 0 *' . , "#$0 - $+*(2"' "3+#- "' 3 1' 2+' " . ; #0

% ' ! '&/'

0 4' ' AS -4 . +#"' + . ' ' 2+' - "3+ . ; #"' 2+' AC>7

d' . 4 $"' + - /#0 0>0' 0' (' ' ' ' "*' 1+ $"#+*' -0"' 2+*0/#020# ' "' 3+1 0' #+, #"24G 20' +*1+' 1"/0#<

K "' , # - ' , "' 0' 0110' 2+' 2 - : + #"' '#+"4' "' F"#-01 * . "

' ' F"#-01 * . "(3+-2"' 94+' :"' 0a030' . 01+# 0(2 **+<

0'0 . "*' F'#-0+*' 94+' #01+ . ' 2+' : +01#"' 0' - "**0' . 0/+#0' +' *+ . + ' :0-/0("*' 940+*' 0-01 *+ . ' 0*' " , +#0*(0*' 20-'0*(+' 0' 3 20' . 0 *' "1 . 0' 20*' '0-1"#0*' +' 20-/0# -0*(+' 2" . -+ . ' + . ' $"2"' "' , 01'"' *'+- '"

' ' F"#-01' 2+' ; +01#"' 0, , 0#+'+4

' +- 0"' "*' + . , #+G0# "*' '" . +/0#0 . ' 0' 20# +-$#020*' ' ' +' "#0 . ' +1"/ 02"*

' ' F"#-01 * . "' 3 4' 94+' 0' *40' " ; #0' +#0' ; "0(+' 2 **+< #+*'+ (. 41' 1 , 1 '0+ 3"*(+' /#0 - /+0+' 0** / -0-1+*' 94+' , 0/4+ .

' "*' F"#-0+*' 2+' $: +01#"' 1"#-0#0 . *+' -*"1 # 3+ *' '" . +-2"' 2"' #4' '$"' 20' 0#3"#+' 2"' ; +#0' +' 2"' . 01(+' -0*'+#0 . ' "*' 20' ** '

' ' F"#-01 * . "' 2 **+ , 0#0' "' F"#-01' 2+' $: +01#"< ' , ' ' S +*, "-2+4' +11+< , ' $' ' ' *

' ' F"#-01 * . "' 1"#-"4' 0' #+, 1 '0#< " *' 94+' 0** . ' "' G+*$+($4' +*' . 012 $"' + -1#+' 1"2"*' 20' 140' +*, +' +E 0-20#0*' 2+' #"F"' , "# 0110' 2+94+ . ' $+' 01 . +-$+' +' -0"' 1+# *' . + "*' , 0#0' , 0/0# ' . , #+-*0

#0' ' F"#-01' 2+' $: +01#"' , #"*1 1414 *+(+' +- 0"' '" . + "4' +**0' . ' . +-*0' /+-+01"/ 0<

(?' 8 2 ' /+#"4' *+ . ' # . 0"' /+ . +"' *$+' /+#"4' 0' % ' !

' +*$0' ' ' ' "=' "E(+*$0' "' 8 * ' ' ' +*$+' 0' 4 ' +*$0' 0' ? ' +*$0' "' " ' ! ' +*$+' 0' ; ' ' ! ' +*10' 0' % ' ! ' +*$+' 0' % ' ' ! ' +' +*$0' "' % ' ! ' (

' ' F"#-01 * . "' ; #02"4' 0"' % > 0+(0G+' '0 # *" ; #+ "*' . , "*' 4 . 0' ' : 430' 2+' +- $" #+' +' 2+' "/"E 0, #+*+-10' 0*' -F4*$ /0*' 94+' $"2"*' "*' 2 0*' 3+ . "*(2 G+' "' 94+' ' 0' '" . , 0 - : 0' 2+5 (0#1"*E -54 . 0' , 0103#0(0110(0**"10' 0##0G0' $42"'

' ' % ' '4#3"4' 0' &+ ' +' $"#-"4E +# ' + $0' 0' 3"**0' 3"-$02+ H

% ' &/' ' ' ' ' '

4 ; 1 '030 *+' *+ . 0-01 . +-$+' 0$0' "' *+4' , # . + #"' -4 . +#"' 2"' 2 0' I7' 2+' -"3+ . ; #"' 2+' AC7V(+' 24#"4' 01+' AD' 2+' F4 - : "' 2+' AC>>

J

)40-2"' ':+/0#0#0' 0' V' 2+' 0-+#"' 2+' AC>A(' .0- +*$0#0.' "*' #+20' '$"#+*' 0' *0$*0/0,' 2+' 94+' +*1030.' ,"**4 2"*' ,"#' 1+#+#-' ,+#.0-+' 2"' -"' *+4' ,"*1"(' 0$#03+*' 2+' 2 1 '41202+*Z' +' ",,"* '0"' 94+' +-'"-1#0#0.' +.' *+4' '0. -;"

$ ' 0--"' 94+' '".+,0' B2 **+#0.' +11+*' +' "' '4.,# #0.' 3+# ' /#0-2+' .+1:"#0.+-$"' +.' -"**"' F"#-01E' -2+,+-2+-$+-F+-$+' 2"' 2+*3+1"' '".' 94+' $#010#+."*' 2+' 0,#+*+-10#' "' ‖.0*' -$20' ,"** 3+1' ' #0,#+**0"(' "' .0*' ;+.' 2+*+.,+-:020*' 0*' 1$:"/#0,:0*(' "' .0*' 30# 020' 0' #+20'/0"(' 0,#+*+-10#+."*' 2+' 940-2"' +.' 940-2"' 0#1 /"*' 2"*' .0"#+*' 1 11+#0$"*' ,"#$4/4+G+*(' 94+' '".' 40' '"02F430/0"' 20#0"' -"3"' 10*1#+' 0"' % ' (' +' $"#-0# "' +*$0' "1:0' 4- '0' -"' *+4' /+-+#"(' +' 2 /-0' 20' +*1 .0' 4- R 3+#*01' H

+#'"##+-2"' 0/"#0' +*$0' ,4;1 '0/0"' ,+# "2 '0' F41/0."*' 94+' $+3+' #0' G0"' --"'+-' "' #0-' *'"' 20' 130(' 0"' "#.410+' "' *+/4 -$+' '"-'+1"<' /' % ' +' 4#-' '", "*"' +' -*$#4'1 3"' #+,"* $"# "' 2+' 0#1 /"*' 2+' $"2"' "' /+-+#"' +' +*,+' +(' $#024G 2"*' +' "# / -0+*

% ' :9' ' ' 4

?' ,# .+#"' -4.+#"' 25+*$+' F"#-01' 20$0' 2"' .+G' 2+' 0-+#"' 2+' AC77(' +' '".+/"4' ,"#' ,4;1 '0#' 4.0' < ' ' ' ' ' ' ' 4''+** 30.+-$+' "' 0,#+*+-$0-2"' -"1 ' 0*' ; *1"# '0*(' 01/4-*' 0#1 /"*' 2"' -$+#+**+' 20*' 0.1 0*(' +' 2 3+#*0*' '4# "* 202+*' 41+ *(' "4' 2+' #+'#+0' /0"' ,0#0' "' +*, # $"

#0' 02"#-02"' '". 01/4.0*' /#034#0*' 2+' /#0-2+*' ' 202+*(' $+.,1"*(' +2 ' "*' +' '"-*$#4+/"+*' -"$03+ *(' +' 2+' #+$#0$"* J +.' .+-"#' -4.+#" J' 2+' -2 3 24"*' 94+' *+' $"#-0#0.' '+1+;#+*

' #+01.+-1+' 02. #03+1' "' -4.+#"' 2+' 0** /-0-$+*' 94+' $+3+' +*$+' "#R -01(' 0' '".+/0#' ,+10' #0 -:0' 0' *+-:"#0' ' 0# 0' ' +' ,"#' ' ' ' 0' 24' 94+G0' 2+' #0/0-/0

0-$"' -"' 1 U' 3"14.+' BAC77 (' '".' -"' I U' BAC76 (' 94+' 1+-:"' 2 0-$+' 2+' . .(' +-'"-$#"' 4.0' /#0-2+' 30# +202+' 2+' -"$ ' 0*(' +' 01/ .0*' 2+' 4$ 1' '4# "* 202+(' 94+' -5094+110' ,"'0' " +#+' 0.' 4.0' '+#$0' -"3 202+

% * ' ' ' ' ' ' 5 ' ' ' 2' ' '

?' A U' -4.+#"' 25+*$+' "#-01' *0 4' ' 14G' -"' 2 0' A7' 2+' "4$4;#"' 2+' AC7>

.' 240*' ,0#$+*' *+' 2 3 2 0.' 0*' .0$+# 0*$#0$020*' -"' 4.0 2+*$ -020' ,0#0' 0*' *' +-' 0*' .+2 '0*(' "41#0' ,0#0' 0' 1 $$+#0$4#0

0' A(Z' ,0#$+' ,#",4-;0 *+' 0' *"' +202+(' 2+' 94+' "' % * ' +#0

"#/ "(0ˢ 20#ˢ 4 . 0ˢ -"$1' 0ˢ *4'' -10ˢ 20ˢ '"-*1 $4 '0"ˢ 01 . "*, :+# '0ˢ +ˢ . +ˢ 2 '0Eˢ . +-' "-0-2"ˢ 0*ˢ '" . ,+1+-$+*ˢ ";*+#30 "+*ˢ . + +"#"1"/ '0*Eˢ -2 ˢ '0-2"ˢ 0*ˢ . "1+*1 0*ˢ 9 +ˢ . 0 *ˢ #+94+-$+ . +-1+ˢ 1 "43+**+ . ˢ /#0**02"("*ˢ '0*"*ˢ . 0 *ˢ /#03+*(+ˢ "*ˢ . +1"*ˢ ;+#0,+41 '"*ˢ '#0,#+/02"*ˢ ,0#0ˢ "*ˢ '" . ˢ ;0$+#(+ˢ 940+*ˢ "*ˢ #+* 1$02"*ˢ 0 . ;+ . ˢ *+# 0 . ˢ +8,"*10*ˢ 0*ˢ -"3 202+*ˢ 94+ˢ "**+ . ˢ "''"##+-2"ˢ -0*ˢ 1N+* . 0*ˢ]' +-' 0*ˢ #0"2 '0*(0,#"3+ 10-2" *+ˢ 2"*ˢ +*'# ,$"*ˢ + $#0-/+ #"*ˢ "ˢ 94+ˢ *+ˢ F41/0**+ˢ . 0 *ˢ 2 /-"ˢ 2+ˢ *+#ˢ '"-:+ˢ ' 2"ˢ -01 . +-$+(,4;1 '0#+*+ : 0 . ˢ $"20*ˢ 0*ˢ 2 *'4**4+*ˢ 94+ˢ :"43+**+ˢ -0*ˢ *+**"+*ˢ 20ˢ *"' +202+

"ˢ 94+ˢ $"+2ˢ 0ˢ 1 1$+#0$4#0(*+# 0 . ˢ ,4;1 '02"*ˢ -"ˢ % * ˢ "*ˢ ,"* ˢ * 3+ *ˢ 0#1 "*ˢ *";#+ˢ "*ˢ 30# 02"*ˢ #0 . "*ˢ 25+*$0ˢ +8$+-*0ˢ ,#"3 -' 0ˢ 2"*ˢ '"ˢ -:+' . +- "*ˢ :4 . 0-"*

% ˢ ˢ ˢ ˢ ˢ ˢ " . ;#0

?ˢ ASˢ -4 . +#"ˢ *0 4ˢ + . ˢ ADˢ 2+ˢ . 0# "ˢ 2+ˢ AC>D

4 $"*ˢ +*$420-1+*ˢ 20ˢ - 3+#* 202+(2+ˢ /#0-2+ˢ 101+-$"(*+ˢ 0**"' 0ˢ #0 . ˢ ,0#0ˢ #+2 / #ˢ +*1+ˢ ,+# "2 '"(+ˢ "ˢ +-# 94+'+#0 . ˢ '" . ˢ +8'+11+-1+*ˢ 0#ˢ $ /"*

0#0ˢ *+ˢ 0301 0#ˢ "ˢ +#3"#ˢ 94+ˢ 0- . 030ˢ "*ˢ 114*1#02"*ˢ '"110;"#02"#+*(#+,#"24G #+ . "*ˢ "*ˢ *+/4 -1+*ˢ #+':"*ˢ 20ˢ (+>

K ˢ 0*ˢ " . ;#0ˢ +ˢ 0ˢ ' 202+ˢ 94+ˢ + . ˢ "#$4/01ˢ *+ˢ ':0 . 0ˢ 0ˢ ' 202+ˢ 20*ˢ 1+$$#0*Eˢ 0ˢ *' +-' 0ˢ +*10ˢ 094ˢ -"ˢ *+4ˢ $;#"-"ˢ 2+ˢ #0 -;0(0ˢ + . , -0# *+ˢ 011 30ˢ +ˢ . 0/+*1"*0ˢ '" . "ˢ #";1+ˢ *+'410#ˢ 2+ˢ *" . ;#0ˢ 0;+-'"020(+*1+-2+-2"ˢ *+-*ˢ #0 . "*ˢ 3 #+-$+*ˢ +ˢ 1"# 2"*ˢ ,"#ˢ 1"2"ˢ "ˢ #+ -"Eˢ "ˢ ," . "ˢ 25+*10ˢ 0#3"#+ˢ -0"ˢ ˢ 3+202"(0-$+*ˢ 94+#-ˢ "ˢ -0"ˢ '"1:+#ˢ +ˢ 94+ˢ *0 #2ˢ '" . ˢ 0ˢ . 0-':0ˢ 2"ˢ ,+''02"ˢ "# / -01Eˢ ,"#ˢ 94+ˢ 01 ˢ +*1+*ˢ 0#+*ˢ +*$+ˢ +'4(+*$+ˢ # "(+ˢ +*$+*ˢ 0 . ,"*ˢ '"-3 20 . ˢ ?ˢ . 0$:+ . 0$ '"("ˢ ,: 1"*", :"("ˢ ,"* $ 3 *$0(+ˢ "ˢ ,"+$0ˢ ,0#0ˢ 0ˢ #0+2 10) 0" +ˢ ,0#0ˢ "ˢ +*142"ˢ ˢ 0ˢ ,"* '0"ˢ 94+ˢ -"*ˢ $+-$"4($013+Gˢ ˢ ,+Fˢ 94+ˢ -"*ˢ +Gˢ "4*02"*ˢ +ˢ ,"#ˢ '+#$"ˢ 4#-ˢ 2+*+Fˢ -$. "ˢ 2+ˢ #ˢ 10-'0#ˢ 4 . 0ˢ ,+2#0ˢ -"ˢ +2 ' "($0"ˢ -+'+**0# "(20ˢ -*$#4') 0"ˢ ,4;1 '0ˢ "ˢ 4 . 0ˢ '#4G020ˢ 2+ˢ ‖ . 0-'+;"*(94+ˢ *+ˢ 01+30-1"4ˢ ':+ 0ˢ 2+ˢ +ˢ 3 30ˢ -"ˢ *+4ˢ '"#0 0"(ˢ +ˢ 2+ˢ +*,+#0-'0ˢ '"-*"102"#0ˢ -"*ˢ -‖" . +*ˢ 114*1#+*ˢ 2"*ˢ ;"**"*ˢ . 0 "#+*ˢ :"ˢ . +-*(94+ˢ :+*ˢ ,#" . +$$+#0 . ˢ 048 1 " H

"ˢ -$+##" . , 20ˢ 0ˢ ,4;1 '0'0"ˢ ,+1"*ˢ 0'"-$+' . +-1"*ˢ ,"1 $ '"*ˢ 2+ˢ AC>6ˢ +ˢ AC>V(+ˢ *"ˢ + . ˢ AC>Cˢ *+ˢ . ,# . 4ˢ "ˢ -4 . +#"ˢ ID(-"ˢ 9401ˢ $+#ˢ . "4ˢ 0ˢ %

. ˢ 2+G+ . ;#"ˢ 2+ˢ ACD7ˢ 2 ˢ ˢL= ˢ ˢ ˢ ˢ * ˢ ˢ % ˢ ˢ '" . "ˢ *+ˢ +8,#+**030 . ˢ "*ˢ -"3"*ˢ #+20'$"#+*ˢ +ˢ '10#030 . ˢ 94+ˢ 0*ˢ '"14 . -0*ˢ 20ˢ #+-0*' 20ˢ % ˢ '030 . ˢ 0;+ 0*ˢ #0-'0ˢ . +-$+ˢ‖,0#0ˢ $"2;*ˢ "*ˢ 0 . /"*ˢ 20*ˢ 1+$$#0*(0'02+ . '"*ˢ +ˢ -0"ˢ 0'02+ . '"*E

ˢ ˢ ˢ

+' ,#" . +$$ 0#-' 2 *'4$ #' *+ . ,#+' ,0' '0' +' 1+01 . +- +(' *+-2"' "' ' '
' 20' 0-1 +"0' % >' F4*$ /0' ,0#0' $"2"*(' +' 0 . "#' ,0#0' " . ;#0
*$0' , ;1 '0/0"' '" . +/"4' 940-2"' F2' 1 - :0' $+#' . -02"' "' #+ -02"' 20'
*+- :"#0' ' 0# 0' (' +' ,"#' **"' #+*+#30 . "*' 0' '" . ,+1+-$+' 0,#+' 0/0"'
,0#0' "' ,+# "2-' . . +2 01"

% ' : *
"' 0- -"' 2+' \AC>C' *0 #0 . ' 0' 14G' "*' ,# . , #"*' *+ *' -4#0+#"*' 2'+*$0'
% ' #+-0*'+4' 2+," *' + . ' *+$+ . ;#"' 2+' AC>D(' +' -"' * ' 2"' -"3"'
,# #0+ #"' -4 . +#"' *+' 2+'10#030<
' 0-2"(' ,"#' $0-$"(' '" . "' -4-'0' ,4;1 '02"*' "*' *+ *' -4 . +#"*' 20' %2'
' : * ' 94+' *0 #0 . ' 0' 14G' -"' 0- -"' 2+' AC>C(' '" . +/0- "*'
:"F+' 2+' -"3"' +*$+' ,+# "2 '"(' +' + . "*' 0' :"-#0' 2+' +2'+$0#' 0' *40' ,4;1 '
'0/0"' '" . ' "*' #+1#0$"*' +' ; "/#0, : 0*' 2"*' *+- :"#+*' ' +2#"' 3(' +' '
+#-0-2"' H
0#+'+' 94+' . "$ 3+*(' 94+' "*' 2 #+'$"#+*' F41/0#0' . +1 -2#"*"' #+ +# #("
"*' 1 - :0 . ' ";# /02"' 0' 01$+#0#' "' , 0-"' #0,0#' 01' 20' % ' "4' 0' 0G+#'
'+**0#' 0' ,4;1 '0/0" ' " ,$0 . "*' ,"#' +*$+' 41$. "' . + "(' 2 G+ . ' +11+*(' '" . "'
#+ . +2 "' '+#$"' -0' 2 1' ," /0"' + . ' 94+' +*$030 . "*' 2+' . +-1 #' 2' -"**0'
'"-*' +-'30(' "4' 2+' . +-1 #' 0"(, 4;1 '" H 0**02"*(' ,"#+#0(' *+$+' 0- -"*(
:03 0 . ' 2+*0, ,0#+' 2"' 094+11+*' . "$ 3+*(' +' 0' + . * 0 (#+*4*' 1030' . 0 *'
;+110(' . 0 *' "#$+(' . 0 *' ,"2+#"*0' 94+' -4-'0(' 2 *, "*$0' 0' #+/ *$0#' -" . +*'
94+' . +#+'+**+ . ' :"-#"*0' . +-/0"' * ' ' '$ ' 2
' * ' ' ' ' '
,
"# . 01#++-$+' *+' 2+'10#030' 94+' -0"' +#0' 20' -0$ #+G0' 20' % '
0,#+' 0#' +' #0"#01 *0#' "*' 0'$"*E' +*'"1:+#' 0' "*' :" . +-*' 94+' ;+' +-3 0**+ . '
"*' *+0*' #+1#0$"*' +' ; "/#0, : 0*(' . 0*' -+ . ' ; "/#0, : 0*' -+ . ' #+1#0$"* *+'
0 . ' 2+-+/# 2"*' -+ . ' 1 *"-/+02"*
030 *+' +*$0' *+/4#0-/0' 0"*' 1+'$"#+*< K 0#0' 0' +*'#4, 41"*0' +80'$ 20"'
2"*' #+1#0$"*' $+ . "*' 301 "*"' #+'4#*"' -"' 20/4+##+"$N, +E' ,0#0' 0' 3+#202+'
20*' ; "/#0, : 0*' $+ . "*' "*' 0'$"*' '" . $+ . ,"#0-+"*(' 94+' $"2"*' '"- :+'+'
. "*(' +' 0' '"-*' +-' 0' 2"*' ,#" # "*(' 0' 94+#-' -0"' ,+2 . "*' . "2+*1 0' -+ . '
30 202+' " ' 10 . "*' 94+' -"*' "**+' 2 $0' 0' 3+#202+E' 0' 3+#202+' ,4#0' +'
* . ,1+*' +' "' 94+' . 0 *' 0/#020' 0"*' -2 +#+-$+*' +' 0"*' -$. "eE' , -$0#+'
. "*(' ," *(' 0' 3+#202+(' "*' 0'$"*(' . 0*' -0"' +-$#0#+ . "*' -0' 0,#+' 0/0"' 2'+1'
1+*(' -+ . ' $+#+ . "*' 1"43"#+*' -+ . ' '+-*4#0*' 0' 2 # / #' 0' - -/4+ .
0 *' $0#2+(' 940-2"' F2' $ - :0 . ' * 2"' ,4;1 '02"*' 01/4-*' #+1#0$"*' +'
; "/#0, : 0*(' 2 G 0 *+(' . 4 1"' 2 *'#+$0 . +-$+(' 94+' 0' % ' : * '
' +#0' "' 1 3#"' 2"' :" . + . ' 2+' +*$02"(' 2"' : *$"# 02"#(' 2"' ,"/10(' +' 22'
0# *$0(' 94+' $"2"*' ,+1"' *+4' #+1+30-1+' . +#+' . +-$"' 01' $ - :0 . ' '"-2 /-"

1"/0#' #0' 4#-' 01;4 .' "* .0 *' '4 "*"*' +' +8,1+ . 1 2"*' 20' . ,#+-*0' -0' ' "-01' +' '*1#0-/+ #0E 4 .0' /01+#0' 20*' -"**0*' ,+#*"-0/+-*' .0 *' '+1+' ;#+*E' +' 4 .0' #+'"#20'0"' 2'' *N . ,01: 0(2+' 0 . *02+' ,0#0' '" .' 0*' 114*1#0' "+*' 94+' "**+#0' . +-' "-020*

6 ' ' ' 8 D *

0$0' 2"*' -*' 2"' 0--"' 2+' CD7' 0' ,4;1 '0'0"' 2+*$+' F"#-01' ?' *+4' -4 . +#"' V L(2+' I?' 2+' -*3+ . ;#"' 2+094+11+' 0--"(3 -:0'F0' $0#F02"' 2+' ,#+ "(,0#0' ,#0-1+0#' "' 011+' . +-$"' 20' #0 -:0(0' *+-:"#0' ' 0#0' -(94+' "' ' '"##+#0' -"' 2 0' AD' 2"' . +* . "' . +G

"' -4 . +#"' DS' 2+' D' 2+' -"3+ . ;#"' 0--4-' 0#0 .' "*' #+20'$"#+*' 94+' ,0**030 .' 0' 2+2 '0#' 4 .0' ,0#$+' 20' ' ' ,4;1 '0/0"' 2"*' ' 2' ' . $0'0"' 2"*' . +11 "#+*' F"#-0+*' +4#",+4*(+' +*,+' 01 . +-$+' 2"*' 2+' +* ' ,0-:0' +' #0-'0' 5+*$0' '"- "# . 202+' '" . +'0#0 .' 0' ,4;1 '0#' -"' -4 . +#"' *+/4 -$+('" .' ,0/ -0/0"' *";#+' * ("' : ' ' ' 2+' +#4G+G(,#" +**"#' 2+' +1"94+-' 0' -0' 0'41202+' 2+' 1+1$#0*' 2+' 0# *

0 . ;+ .' *+' "''4,"4' '" .' 0*' -"1 ' 0*' $:+0$#0+*' 20' '0, $01

% ' ' : ' '

' '"-*+#30$"# "(94+' 2+*2+' "*' *+4*' +*10$4$"*' "#0 .' 0, ,#"302"*' ,+1"' 2+'#+$"' 2+' I>' 2+' . 0"' 2+' AC>A(*+-$ 4' 0' -+'+** 202+' 2+' $+# 4#-' "#/0"' 2+' *40*' 2" $# -0*(4#-' 0#': 3"' ,0#0' "*' *+4*' 2"'4 . +-1"*(+' 4 .' #+,"* ' $"# "' 2"' ,#"'+**"' 2+' *+4*' $#0;011 "*' +' +* "#/"*

5+*$0' '"- "# . 202+($+3+' ,"#' .' 0' % ' ' : ' '

>

A' S ""#2+-0#' +' 0#': 30#' ,0#0' 0' : *$"# 0' 20' 0#$+' B94+' $0 . ;+ .' +' 0' : *$"# 0' 20' ' 3 1 *0/0"' 2"' ,0 G ("*' $#0;01:"*' 20' -*,+'/0"' /+#01' 2"*' :+0' $#"*(+' 2"' '"-*+#30$"# "(2+*2+' AD' 2+' -"3+ . ;#"' 2+' AC76('"-$ -40-2"' 2+," *' + .' 2 0' '" .' 0' ,4;1 '0/0"' 2"*' . +* ."*' $#0;01:"*

' S *$"# 0#' 0' . 0#': 0' '"-$+#0,"#0-+0' 2"' -"**"' $:+0$#"' +' 2"*' $:+0R $#+*' +*1#0-/+ #"*' [

7' S #0$0#' $"20*' 0*' 94+*1"+*' 2+' ‖ #$+(2+' 1 $ +#0$4#0' +' 2+' *' +-' 0' 94+' ,"2+ -' $+# #+10/;+*' '" .' 0' 0#$+' 2#0#0#‖ $ '0

8'+11+-$+*' +#0#0' "*' 2+* /- "*' 94+' ,#+* 2 0 .' 0' $01' ,4;1 '0/0"E . 0*' +#0' "#$4/01' -D"' $++ .' 1"-/0' 3 20' 0*' ;"0*' + . ,#+*0*E 2+'#+*'+' +#0' ;#+3+' ' 0#2"# 2"*' ,# #0+ #"*' 2 0*(01$0' 0' ,+#*+3+#0-/0(+' -0"' $0#20' + .' 0;"#' $0#' ' . 0 *' ;+ .' 2+1 -+02"' , 0-"

4#"4' ,"4'"' 0' % ' . 0*' 0** .' . +* ."' ' -$+#+**0-$+' 0' '"11+' ' /0" 94+' :"F+' +8 *$+($"#-0-2" *+' ,"# +8$#+ ."' -*$#4'$ 30' +' #+'" . #0+-

203+1(,# - ' ,01 . +-$+ ,+1"* 2+ 01/4-* *"' "* 2" "-Z *+#30$"# "(94+ -* /-+* $01+-$"* $#0/0#0 . + ,4;1 '0#0 . Z

% " . +/"-0 *+# ,4;1 '020(+ . " -$0 +1/020(-" . +G 2+ F0-+ #" 2+ ACDA(+ 1 -:0 ,"# #0 #0$0# 2+ 0** / ,$"* 1 1$+#0# "* + *' +-1 '"* " 4 . 2"* *+0* 4-202"#+* + ,# - ' ,0+* #+20'$"#+* -* /-+ 1 $ 1+#0$" 0/"# 0-" "*+ 2+ "##+* "# . 01 . +-$+ *+ 2+'10#"4 +*$#0-:0 ,"1 1 '0 . 1 10-$+(+ . 4 $" *+ "''4,"4 '" . +*,+' +* -$+#+**0-$+* 20 : *1"# 0 2" 0#' : ,+10/2 2"* /"#+*

% * * 0$0 2" 0--" 2+ ACDI(+ $+# . -"4 -" 2+ ACDD #0 94 -G+-01(+ '"-$ -:0 -"$ ' 0* $:+0$#0+* 2+ *;"0 + "#$"(; "/#0,: 0* 2+ 0#1 *10* '+1+;#+*(+ "4$#"* 0# /"* '4# "*"* " . " 0'+#$020 . +-$+ *+ 2 **+ -" # 3 * *0" . 4 $" -$+#+**0-$+* 0* 8* -*+#$0* -"* -4 . +#"* 2"* 0--"* 2+ ACDI + ACD7(+ '""#2+-020* ,"# :"#00G " . 4- "# 5+110* *+ +-'"-$#0 . -"$ ' 0* + 0,"-10 . +-$"* ; "/#0,: '"* 2+ 0#$ *$0* ,"#$4 /4+G+*(0-$ /"* + . "2+#-"*(;+ . ' " . " +1+ . +-$"* ,0#0 0 : *$"# 0 2" $:+0$#" $01 0-" + . " "#$4/01

% 8 B "#$" -4 . +#" ,# . + #" 25+*$+ F"#-01 *0 . 0 14 . + + . 2+ 0;# 1 2+ AC7V(+ $ -:0 +*$0 +, /#0,:+< 8 $ $ $ #0 2 3 2 20 +#0 $#+* 2 *$ -'$0* *++/"+*< AS $$+#0$4#0ZE I ' +- ' 0 + #$+*E 7 Z *'+110-+0 0 A Z *++/0" '"#0,#+:+-2 0 0 : *$"# 0(0 /+"/#0,: 0(0 +1"94+-' 0(0 ,"+* 0(+ "* #" . 0-'+* I S+#0 '"-*0/#020 0 0#$ /"* 2+ . +2 ' -0(':. '0(,:N' '0(: *R $"# 0 -0$4#01(F4# *,#42+-' 0(+'"-". 0 ,"1 $ '0(-24*$# 0(0#$+*(+$' 0 7 Z +#0 #+/ *$020 0 ':#"- '0 2"* 0'"-$+' . +-$"* ,"1 $ '"*(;+ . ' '" . " $0 . ;+#0 0 -2 '0/0" 2+ -"$ ' 0* *' +-$ '0*

#+20+/0" 20 % #+'"-:+' 0 94+ -0" +#0 09-+110 +,"'0 0 . 0 * ;+ . + *'"1: 20 ,0#0 2+*+#0,+-:0# 0 *40 $0#+ 0(,"# 940-$" " +*, # 1"

6% 01 +0& #1 0&" " +&# 20, #0)"#& B 0 & 8 6+ "#'%#"#1 &+ ,*0+ , 1 2 $06 DNN #DN;

, 4 ; 1 ' "' +*$030' 940* ' 2+' $"2"' "' ' '4 , 02"' ' " . ' "*' "; F+ '1"*' +' '4 202"*' 20' , "1 $ '0' 2" . +*1 '0 ' 0"' 2+*+*, +#030' ' " . 142"' 20' , #"$+' '0"' 2"*' ' 2020"*' , "#14/4+G+*(, "# 940-$"' *+' , #", 4 - ; 0' 0' +*'#+3+# , 0#0' 0 -0/0"(, 0#0' "*' -2 3 24"*(+' -0"' , 0#0' "*' , 0#$ 2"*

'+#1"' 9-+' 0' % ' ' : +/"4' 01+' 0"' #0+G' 2+' F4 - : "' 2+' >C7C' B-0"' "; *$0-$+' 0*' /#0-2+*' 2 1 '41202+*' 94+' +-'"-$#"4' -"' *+4' '0- -; "' ' '" . ' . 4 - '0-2"' 0"*' 1+ $"#+*' , "#14/4+G+*' "*' . 0 *' -$+#+**0-$+*' 0#$ /"*' 94+' *+' :+' 2+, 0#030 . ' -0*' $3 *10*' +' "4$#0*' , 4 ; 1 '0/"+*' , +# "2 '0*' +*$#0- ' /+ #0*(01+ . ' 2+' '4# "*0*' -"$ ' 0*' 2+' 30# 0' -014#+G0' #+101 30*' 0 "#$4/01' +' "4$#0*' -0/ ; +*

3 ' 8 ' B *; "0

0$0' 2"*' -*' 2"' 0- -"' 2+' >CD7' 0' , 4 ; 1 '0/0"' 25+*$+' F"#-01

+-: "' 2 0-$+' 2+' . . ' 4 . ' ; +11"' 3"14 . +(94+' '" . , #+: +-2+' "*' -4 ' . +#"*' , 4 ; 1 '02"*' 2+*2+' ACD7' 0' AC6 I E' '"-$+-2"' . 4 $0*' ; "/#0, : 0*' 2+' '"-1+ . , "#0-+"*' 114*$#+*E' 0#$ /"*' #+10$ 3+*' 0' #0+ . "#03+1' '0 . , 0- : 0' 2"' "# +-$+' B # . +0 E' 3 0/+-*E' '"4$"*E' -0##0$ 30*< , "+* 0*E' +$'

' . , #+**0"(+10' -0' 1N, "/#0, : 0' 2+' 0*$#"' 2' #. 0"(+' #+01 . +-$+' . $"' 0, 4#020' +' 3 *$"*0E' +' 2"' . +* . "' . "2"' . +#+'+#0' /0; "*' 0*' /#034 ' #0*' +' 1 1 : "/#0, : 0*' 94+' 0'"#0, 0- : 0 . ' "' 1+8$"

" ' 4 . ' 2"*' ||, # - ' , 0+*' #+20'$"#+*' 20' % ' 4 G' #*+- "' 0#R 94+*' "##; 0' 012+ #0(*"; # - : "' 2"' '0#2+01' 0#0 30(2"' 9401' " ' , 4 ; 1 '02"' 01' 1 #0' $#0; 011 "' 0#' : +"1"/ '"(-1 $4102"< : ' ' 8 ' [

' % ' +-1#"4' -0' 0#+-0' 20' , 4 ; 1 ' 202+' '" . ' 4 . ' '+#$"' #+'+ "' 2+' $+#' 0' . +* . 0' *"#1+' 2+' "4$#"*' , +# "2 '"*' 1 $$+#0# "*(94+' . 4 ' '4#$0' 24 ' #0/0"' :03 0 . ' $ 2+' 0' ' 2 G 0< K 1/4 . 0*B, 4 ; 1 '0/"+* ' $++ . ' *0 2"' 2"*' , #+1"*' ' : + 0*' 2+' , #" . +**0*' , 0#0' "' 4$4#+(' : + 0*' 2+' +*, +#0- ' /0*3 /"*0*(+' $++ . ('" . ' $42"(2+*0, , 0#+' 2"' +#0' , "4 '"(*+ . +1 : 0-$+*(-0' *40' '4#$0' , 0**0/+ . ' -"' . 4 - 2"' 1 $$+#0# "(0"*' . +1+"#"*94+' -4 . 0' -" $+' *403+' 2"' +*$ "' ; # 1 : 0 . ' 4 . ' -*$0-$+' -"' # . 0#0+-$"(+' 2+ 80 . ' 0, +-0*' -"*' "1: "*' 2+*14 . ; #02"*' 4#00' . 0/+ . ' *' -$ 110-1+' 2"' *+4' +, : + . +#"' ; # 1 : " Q

0*' 0' % ' 24#"4' 0$+' AC6 I(+' 0: ' +*$ ' 0 -20' 4#0' 2"' 4 . +-$"' 2+' 94+' 0' #+20' /0"' *+' +* "#/"4' , "# "#-0# +' -$+#+**0-$+

% ' ' * ' ' ' * * ' '

' ' 2 ' B "#$"

*$0' % ' *4' '+2+4' . . +2 0$0#0+-$+' ' % ' 8 ' ?' , # . + #"' -4 . +#"' 20$0' 2+' AD' 2+' F41: "' 2+' AC7C(+' '"-$ - : 0' *+1+' *+' / ; +*E' ' * ' ' ' ' * ' 2 ' '

'#+*'+-$0#+ 0 +*$0 -2 '0'0" 0 2"* ";F+'$"* 2+ 94+ $#01030 '020 4 . 0 20** *+')"+*<

0 A Z 0G 0 *+ 0 2+*'# , /0" 2" FOG /" 2" '"#0/0" 2+ +2#"(24P 94+ 2+ #0/0-'0(-" $+#0,1" 20 0,0(20 ' 202+ 2" "#$"(0'" . ,0-:02" 2+ 4 . 0 +*$0 . ,0

0 I =' 0G 0 *+ 0 0,#+' 0/0" 2" ,"+ . 0 J /' : J 2+ 1 . + 20 0##+$$

" $"'0-$+ 0 3 -:0 " #0/ . +-$" -+2 $" +8$#0 2" 2" #"$+ #" 2+ " . + . /#02"($+-2" , "# $ $41" J 8 + *

+/4 0 *+ 0 3+#*0" + . , "#$4/4+G 20 940#$0 1 /0" 2" : 2 2+ 4 G"$

-:0 2+, " * 4#-+8'+11+-$+ 0#$ /" 2+ +'"-" . 0 , "1 $ '0(-$ 4102" J !Q+)T . 0 "# ,0#$+ $#024G 2" 20 8 D *5 2 + # 2 2 2 2 #$ /" 2+ 3 2 , (0

0 . ;+ . 0* *+'/"+* ? + " + +#0 . '"- $+ . ,1020*

" . +/0-2" 0** . '" . $0" ;"-* 04*, ' "*(, "2+ 0 % 2 ':+/0# 0$+ 0" 0--" 2+ AC>>(0'#+2 $020 -" '"-'+ $" , 4;1 '"(+ 2+ 4$ 1 '4# "* 202+ -"* 2"#0 - "* 20* 1+1$#0* + 20* *' +-' 0*

" . "* 0'" . ,0-:0-2"('" . " 0** /-0-$+(+*1+ , +# "2 '" 2+*2+ AC7C 0$+ AC>>(+ F41/0 . "* *+# ;+ . . +#+' 2" " F4 *" +8, #+**02" -" # 2 3 * >

K *$0 '"11+'/0"(94+ ;+ . 2+*+ . ,+-:030 " *+4 $ $41"(+ +*$. 03+1 + . ,"#$0-$+ ,+: -4 . +#" + 30# +202+ 20* +*,+' +* 94+ '"-1+ . E +-1#+ +110* -0" , "4+0* . + . "# 0* + 2 **+#$0/"+* #+10$ 30* 0 : *$"# 0 + 0-$ /4 202+*2+ "#$4/01(+ ; "/#0, : 0* -$+#+**0-$+*E + "4$#"* $#0;01:"* 2+ -0" . +-"# -$+#+**+ . * ' +-' 0* , :N* '0*(, "1 1 '0* + -$"#0+*E #" . 0-R '+*(, "+* 0*('# $ '0 1 $$+#0# 0(+$' +$' "-$"4 +-1#+ "* *+4* '"110;"#02" #+* 01/4-* 2"* :" . +-* . 0 * *0; "* + +#42 $+* 2+ "#$4/01 24#0-$+ 094+11+ ,+# "2" + + *+ . 243 20 4 . 0 20* . +1:"#+* + . 0 * 4$+#* , 4;1 '0/"+* ,+# "2 '0*(*0 20* 2"* ,#+1"* ,2#$4/4+G+* 2+*2+ AC77 0$+ :"F+ H

?' 20 ,# . + #0 *+# + +1"/ "4 + . AC7C 0 % ' ,+1" ;" . *+#3 /" 94+ G+#0 . "* #+20'$"#+* '" . 0 *40 , 4;1 '0 /0"

. AC>I 2 **+ 94+ 0 % ' *+ G+#0 #+, "* $"# " 2+ . +R . "# 0* + 2 **+#$0/"+*(0 +8+ . ,1" 20* % 2+ 0# * + "-2#+ (+'" . " +110*(0,#+*+-$030 0 #+*+-:0 2"* 0'"-$+' . +-$"* , "1 $ '"*(;#+3+ ':#" 5

- '0(94+ ,"2 0 *+#3 # 2+ -2 '+ 2"* 0'$"* . ,"#$0-1+* "'''## 2"* -"* +*$02"* $+# . -030 2 G+-2"< K "#0+* #+*,+ $03+ * # . 0 . 0#1 /"* ,#" ,# "* 94+ 20" 14*$#+ 0 +*1+ F"#-01(" ,# . + #" 94+ '" . *+ . +1:0-1+ *N* $+ . 0 2+ #+20''0" +-$#+ -"* *+ 2 341/"4 H

% 5 2

-' , "4 +*$0 ,4;1 ' $'0" *' +-$ 1'0 +*,+' 01 + . 0-+ #" 2+ >C>>(+ $+# . -"4 + . . 0 " 2+ >C>6E $+-2" '" . " #+20'$"#+* ,# -' ,0+* "* 2#* -$"- " "094 . 2+ /4+ #+2" + 130(#0-' *'" 0#1 -* 41 2"("0" "*+ 2+ . 0* Z

"3 ++ *+ 2+3+ '"- -2 # '" . 0 % 5 ||+*$0 41$. 0 *0 4 0 1 . + " ,# . + #" -4 . +#9+ . 2 2+ F- - :" 2+ >C6>(+ +#0 . #+20'$"#+* +1 +'$ 3"* "0" +##0G 2" 0'+2"("*+ #+/"# " + 8+ #0 0#R 94+*("*+ 0# 0 13+* #0-'"(+ 0-4+1 +-$" 2+ "4*0 114*$#020 #+20''0" +-$+-2 0 94+ +#0 ,#+*$0# 4 . ; " . *+#3 /" 2 :4 . 0- 202+ + 2 *' +-' 0 . +2 '0 2+ . "-*$#0# 94+ . 4 $0* 2"+- 0* 0 +'$0 . + . "#$4/01 "# . 0* ,"4'" '" . . 4-*(+ 20# '"-$0 2+ 01/4 . 0* 20* +*,+' 01 202+* 20* 2"+-/0* 2 # '0 + #0* 1(,0#0 " 94+ 0 % 5 +* $030 ;0; 1 $020 ,+10 ,"*)0" /+"/#0,: '0 2+ "#$4/01(,0#0 0** . 2 G+#(2+ $#0-*)0" 2"* '1 -10* 94+-$+* ,0#0 "* # "*(. 0* 0 -20 ,+1" '" . #0+# ' " '"-*10-$+ '" . 0* '"1"- 0* 20 # '0 '+-$#01 + '" . " . ,+# " 2" #0* 1

% 5

+2 '030 *+ +8'14* 30 . +-$+ 2* 0#$+* + *' +-' 0* . 1 $0#+*(+ 0 $#0$0# 2+ 0**4 . ,$"* 2+ -$+#+**+ ,0#0 " +8+#' $" + 0# . 020 2+ "#$4/01(20-2" 2+ . 02 0 0**4 . ,$"* ,"1 $ '"*(+ . 0 "# . +-$+ 0 0114*"+* ,+**"0+* (" . +/"4(+*$0 ,4;1 '0/0" +#0 0-+ #" 2+ >C>W(+ -0" * " +8 * $ -2" 0$+ 0" . 2" #+ -02" 20Z*+-:"#0 0# 0 (*+-0" 10 . ;+ . $+ . '"-$ -402" 0$+ :"F+

8'+11+-$+* 2 #+'/"+* + #04 $" :0;+ * '"110;"#02"#+* $+ . 1 2" 0 % 5 + 0 $0" ||+1 G ' #'4 . *$0-' 0 >+3+ 0 *40 24#0/0" + . +#+' . +-$" #+01E *+-2" 4#- #+,"* $"# " /#0-2+ . +#$+ -$+#+**0-$++ ,#"3+ $"*"(-" 94+ #+*,+ $0 0* 2"4$# -0*(+*'10#+' . +-$"* + -"$ ' 0* 20* '" *0* . 1 $0#+*

0 . +:$" *";#+ . 0-+ #0 -0" ,"2+# '"-*0/#0# 0 +*$0 . ,"#$0-$ ** #00 ,4;1 '0/0" ,+# "2 '0 4 + 8$+-*" 0#1 /"E . 0* #+ . +$$" "* 1+ $"#+* ,0#0 "* +*'10#+' . +-$"* 94+ 0" 04'$"# 2" # 3 * . - *$#"4 " ;0#0" 2+ +2+#:"12(3; % 5

> ?

+F0 -" $" . " 25+*$0 -"**0 . ,0/ AC + AW(0* -"$ ' 0* 94+ 0 #+*,+ $" 2" . - *$#"4 " ;0#0" 2+ +2'#"12 -0 % 5 2+ 2+ F41:" 2+ AC?7(01 2* 2+*+-3"13 20* + 0 . ,1 0 20* ,+1" 2" *# "#/+ +*0# 2+ /0- +#+(+ "2# /" "*+ 2+ . 0 +1-+# + ,+10 D * 2" *# :0;N('"#0" *+ 3 0 ,0/ I? I7 2" . +* . " $" . "

% *

? ,# #:+ #" -4$,+#" 25+*$0 ,4;1 '0/0" +(20102" 2+ > 2+ . 0#'" 2+ AC>C

#",'G *+ 0 . - *$#" # 0* '10**+* . +-"* 0;0*1020* 0 -*$#-'' 0"($"# -0-2" 0Ⅲ 0' 1 + . 940-$" 0"* . + "* 2+ 0 0294 # #(+ 01$#0'1 30 ,+1" '4 202" 94+ ;"-3+ + . . *14#0# " 4$ 1 '" . " 0/#0203+1

:+/"4 0" 0--" 2+ AC7I(+ '"-1 -;0 /#0-2+ -; . +#" 2+ +*$0#0,0* + 3 -:+$0*(-$+#'01020* -" $+ 8$"E #+,#+*+-$0-2" . 4 $0* 25+**0* +*10 . ,0 ";F 7'$"* -$+#+**0-$+*($0+* '" . " 3 *$0* $","/#0,: '0*(#0"-4 . +-$"* -0* ' "-0+*(#+$#0$"* 2+ ,"#$4/4+G+* -"$03+ *(+$'

% %

0" *0;+ . "* 94+ "**+ ,4;1 '02" *+-0" " ,# . + #" $" . "(+ +**+ -" 0--" 2+ AC>6

"-$+ . 01/4-* ,+94+-"* #" . 0-'+*("# / -0+* + $#024G 2"*(,"+* 0*(,+-*0 . +-$"*(2 $"* 0/42"*(*+-$+-/0*E 30# +202+*

0 0 +*$+ ,+# "2 '" 0"* *0;;02"*

% ! 2

0$0 2" 0--" 2+ AC>C

0 . +-$030 94+ -0" :"43+**+ K4 . 0-01N*02"# 20 *'+-0 + . "#$4/01(4 . #+20'$"# 0 94+#- "**+ 0/#0203+1 0 $0#+ 0 2+ 2+*'#+3+#(",,"#$4-0 P . +-$+(" . "2" ,"#94+ *0" 2+*+ . ,+-:020* +-$#+ -"* 0* 2 3+#*0* ,#" 24')"+* $:+0$#0+*(+ 2+ 20# '"-10 20* . ,#+**"+* 94+ 20* . +* . 0* 1R +0 . 0"* +*,+'$02"#+*F

5+$+-2 0 K20# '41$; 0" 3+#202+ #" . +# $"(+ '"- 4-2 # "* . +#'+ -0# "* +*'# ,$"#+* H

% ! #

,#+*+-$030 +*$0 +, /#0,:+<

*

0$0 2" 0--" 2+ AC>7

G 0 *+ -0 > K +3 *$0 :+0$#01 *" 2" $:+0$#" *+ ;+Z

' ,0#0(+11"' +' "' *+4' . 4-2"(0 *40 ,0$# 0 94+# 20(94+' F0 . 0 *' 0;0-2" ' -0#0 ,0#0 +-/"1 0# *+' -"' #04-2"' ,"1 $ '"('4F"' *"1"' +' *4F+ $"' 0 :"## 3+ *' "*' 110/"+* Z

0"' $" . 0# 0 ,0#$+' " +-* 30 '"-$#0 94+#-' 94+# 94+' "**+E ,4;1 '0 ' # 0 "*' 0#$ /"*' 94+' :+ "**+#0 2 # / 2"*' *";#+' $:+0$#+*(+' *";#+' "' . +# $"' 2"*' 0#$ *$0*' 2#0 . 01 '"*' +' , : 10# . "- '"*

% ' +

*$+' ,+# "2 '"(,4;1 '02"' +- ' *;"0 -"' 0--"' 2,' ACDI(+#0 #+2 / 2"' ,"# 4 . ' 1 $1+#0$"' #0-'+G(#$0 #+' "4#- +#(94+'+-$0"#+* 2 0 -5+*$0 '0, $01 +1"' /"3+#$ "' 20 #+,4;1 '0 #0-'+G0 2"' 0--"' 2+' AC>C "#0 #$0 #+' "4#- +# -" . +02"' ':0-'+11+# 20 1+/0' 0"' #0-'+G0 +#0 *;"00 ‼/"1,+' 2+' $02"' 2"*' ?-*' 2+' AC7A' "''0* "-"4' 0 *40 2+ . **0"(#+24G -2" "' > 0+'+** 202+' 2+' #++2##+# 0"' $#0;011 "' 1 $$+#0# "' ,0#0 ";$+# "*' . + "*' 2+' F4;* *$+-' 0 ' "1$"4' 0** -' 0 3 20 2+' :" . + . ' 2+' 1+$$#0*(+' $"#0"4' "' +8,+ ' 2 +-$+' 2+' 4-20# 0 % ' ' *+-2"' +11+' "' ,# -' ,01 #+20'$"#(0 '"11"'0-2" *+' *";' 0‼,#"$+''0"' 2+' $"2"*' "*' :" . +-*(10-1"' ,"#$4/4+G+*' '" . "' +*$#0-/+ #"*(94+' ,4/-0**+#0 ,+10 ;"0 '04*0 2"' ,#"/#+**"' 20 ' 3 1 *0'0"' ' * 0 2+'10#0/ "' "# . 01 94+' +11+' 0,#+*+-$"4' 0"' ,4;1 '"<

0' % ' ' *+#0 030-$ $"4$ < ' ' '

0 ,"1 $ 94+' -' N "''4,+#0 945 4-+' ,10'+' $#+* #+*1#+ -$+(+$ -5N 1/4#+#0 945 0 1 $#+' 2+' ':#;- 94+E . 0 ,"* $ "-' +8'+,1 "--+11+' .+' 0 $(+-' +11+$(4-+' *"#$+' 2+' -+'+** $+' 24' * 1+-'+' +* 0 1* ,"1 1 94+* *+#"-$ 2"-+' * . ,1+' .+-$ +-#+/ *$#+*(#0#+ .+-$ '" . . +-1+* H

+#'"##+-2"' :"F+' +**0 #+3 *$;((0:' +-'"-$#0 . "*' '4# "*"*' 0#$ /"*' 1 $' >+#0# "*(+' 3+ . "*' #+,#"24G 2"*' + .' #0-'+G 30# +* +*'# ,$"*' ,"#$4/4+G+*(0-01N*020* 2 3+#*0* ,#"24''"+* 2+' /#0-2+* $01+-$"*' 94+' +-$0"' ;# 1:030 .' +#0 *;"0(01/4-* 2"*' 940+* 0 -20 3 3+ .

0 *40 . 08 . 0 ,0#$+' "' 1 $$+#0# "' +**+' ,+# "2 '"(+' * ' 094 ' +' 0'"10 0,,0#+' 0 "' 2+*0 "/"(;+#0 -0$4#01(20 3 '$. 0 2"' 0$01 /"1,+' 2+' +*$02"' 0,"1+"- '"(94+' 0 #0-/0 0'0##+$"4' ,"# #0 ,4-/+-$+* 2+*/"*$"*' +' 2"' 1"#"*"*' 2+*0*$#+*

4 $"' 2+' ,0**0/+#0 "' 2 #+ . "*< '020 3+G -"*' . 0 *' ,+-+$#0 . "*' 2"' ,+-*0 . +-$"' . "#01 *02"# 94+' "*' -/1+G+*' "# . 410#0 .' $0"' '"-'+ $4"' *0 . +-$+< . D ' ' ' * D

.(0 ,#"; 202+("' ,#"'+2 . +-$"' 1+01(*0"' 0 . +1:"# ,"1 $ '0

% ' < ' ' ' ' ' * D ' 2 ' '

?' ,# . + #"' -4 . +#"(94+' *0 4' 0 14G + .' A 2+' "4$4;#"' 2+' >C>A($ ‖

-"* ,"2+ . "* 01#+3+#('"-* 2+#01 " :+ . "* '" . " 4 . ' '" . ,1+#0+-$" 2" -"**" H

. 4 $" '4# "*4 0 1 *$0 2" /#0-2+ -4 . +#" 2+ :" . +-* 114*$#02"*(-0* *' +-' 0*(-0* 1+$$#0* +-0* 0#1+*(94+ +*'#+3+#0 . -0 % + 10 . ; +. 2+ -"10# 94+ -+*1+ ,+# "2 '" *0 #0 . ,+10 ,# . + #0 3+G #0,#+* *0* 0* ? 2+ 1 . + 20 0##+$$E "* #" . 0-'+* J 5 2 3(2+ +;+11" 20 130(+ < 2" *# -R 2#02+ "#b(+$'(ZfZ

0 . ;+ . 10 "#0 $+3+ ;" # '#+0 "* 0 % " 0--" 2+ AC"?* *+ 2 **+ +. 4 . 0 , ;1 '0/0" 2+ /#0-2+ 04'$"# 202+< ((* * $ -< " D +3 *$0 - 3+#*01 ? $1 +-+4

+3+ . "* #+/ *$0# 0 -"$ ' 0 94+ 0 % 2+ 2"* ,+# "2 '"* +8 * $+-$+* + . "#$4/01 -" 0-- 2+ AC>A

" . +/0 ,"# 2+'10#+# 94+ -0 +*,0-:0 :03 0 +-$0" ,+# "2 '"*(7A 2"* 940+*(,"1 $ '"*

,#+*+-$0-2" 2+," * 0 1 *$0 2"* ,+# "2 '"* ,"#$4/4+G+*(+ -"$0-2" 94+ *4; 0 . 0" -4 . +#" 76(";*+#3030 94+(/40#2020* 0* ,#","#/"+* 20 ,",410/0" 2"* 2" * ,0 G+*(,"**4 0 "#$4/01 940* " 9402#4,41" 2+ ,#" 24+/0" F"#-01 *$ '0

* "* -" . +* 2"* ,+# "2 '"* ,"#$4/4+G+* 0,"-$02"* '" . " +-$0" +8 *$+-$+*(,"1 $ '"*(+ 1 $$+#0# "*<

> 0# " 2" "3+#-"E 0' "-01E "##+ " 2+ *;"0E +# "2 '" 2"* ";#+*E "#$4/01 +1:"E "-*$ $4' "-01E +G #+ *E +3"14/0" 2+ " 1+ . ;#"E 0-"#0 . 0E #': 3" ",410#E "*0 '"E +'#+ "E 0 . 011 +$+E 4 *+4 $$"#+*'"E - 3+#*" $$"#+*'"E ;+1:0E ;1 "$:+'0 0 . 1 0# + #+ '#+0$ 30E "#-01 20* ' +-' 0* +2 '0*E "#-01 20 "' +202+ :0# . 0'+4 $ '0E --0+* 2+ 0# -:0E 0G+$0 2"* # ;4-0+*E #': 3" :+0$#01E "#R #+ " 20* 0 . 0*E "1:, " . . +#' 01E #0$ *E +3 *$0 - 3+#*01

$:1+$0E +# "2 '" 2"* ";#+*E +3 *$0 $$+#0# 0E "$ ' 0 2"#E #0$ *

: -$ 940# " "- . ;# '+-*+E :#"- '0 $$+#0# 0

4 + +-*"#

"- $"#

-/#+-*+ S

R #@0 #&,0 *% &0) &,0 + , 1 2+ $06 7 :# 7<L " # 3 2

* "# ++ *#+# 0+* &* "0)20

" 0++ "# 788L $06 D7:

% < +%1 ; "# 7D "# %,%B "# 78D7

3 2"ʻ + . ʻ /#0-2+ʻ ,0#$+ʻ 0"*ʻ F"#-0+*ʻ 2+ʻ -*$#4'/0"ʻ ," ,410#(+##0- 0#0 . ʻ +*$+*(+$-ʻ *+4*ʻ 30# 02"*ʻ +ʻ #+'#+01 3"*ʻ 0#1 /"*(2"41# -0*ʻ 0'" . ."2020*ʻ 0ʻ $"20*ʻ 0*ʻ -$+11 /+-' 0*('"-*+/4 #0 . ʻ +8' $0#ʻ 0ʻ '4# "* 202+ʻ 2"ʻ ,"3"(+ʻ 1"/#0#0 . ʻ ";$+#ʻ ,#") '4"ʻ #+*41$02"ʻ 2+ʻ *+4*ʻ +* "#/"*

+'"-:+'+-2"ʻ "ʻ 940-1"ʻ "ʻ ,"3"ʻ 0,#+' 030ʻ ,4;1 '0'"+*ʻ $0+*ʻ '" . "ʻ "ʻ

ʻ0 % ʻ < ʻ"ʻ ʻ * ʻ +ʻ0ʻ % ʻ * ʻ

0 4ʻ +$+ʻ +#00-0# ;(2+' 2 2"ʻ ʻ*+#ʻ +*'#4,41"*"ʻ -0ʻ +*'"1:0ʻ 2"*ʻ 0#$ /"*(+ʻ0ʻ 0G+#ʻ $"20*ʻ 0*ʻ 2+1 /+-' 0* ,0#0ʻ *01*0G+#ʻ "*ʻ 1+ʻ1"#+*

ʻ ʻ ʻ ʻ !

?ʻ ,# . , #"ʻ -4 . +#"ʻ *0 4ʻ + . ʻ AAʻ 2+ʻ 2+G+ . ;#"ʻ 2+ʻ AC>?('" . ʻ +*$0ʻ +, /#0,:+<

1 #Hʻ " +#ʻ)0ʻ 0 & +0ʻ '%#ʻ , %@ % &ʻ 2 &ʻ #-# ,&ʻ

1 $ %+,#+,ʻ "-#))#ʻ &#%)#ʻ #)ʻ)#% ʻ)%&, #ʻ #,ʻ)#% ʻ $ G

3

#"#0+$$ 0ʻ 94+ʻ 0*ʻ *40*ʻ 2"41# -0*ʻ $:+01#0+*ʻ *+ 0 . ʻ 0ʻ 3+#202+(0ʻ F4*ʻ $ /0(+ʻ 0ʻ #0-94+G0ʻ ʻ +*$+ʻ #+*,+1"ʻ ' 1030ʻ "*ʻ 3+#*"*ʻ 2+ʻ #+**+$<

%&ʻ &02#Hʻ $ʻ B #+ʻ '%-%+ʻ 5 +,ʻ '%#ʻ 0 ,ʻ "#6% &#ʻ

I)0 ,ʻ 1 +&ʻ 0%ʻ #)ʻ '%-%+#ʻ 0 10B)#ʻ 5 0+*(&#

! ʻ < ʻ ʻ ʻ ʻ ʻ

?ʻ -4 . +#"ʻ ,# . + #"ʻ *0 4ʻ + . ʻ I6ʻ 2+ʻ . 0#/"ʻ 2+ʻ AC7W

,#+*+-$030 *+ʻ . "2+102"ʻ ,+1"*ʻ F"#-0+*ʻ +-'N'1",+2 '"*(4$ 1ʻ ,0#0ʻ 0 . ;"*ʻ "*ʻ *+8"*(,0#0ʻ $"20*ʻ 0*ʻ +202+*E ,#" . +$1+-2"ʻ -*+# #ʻ ʻ 2ʻ , ʻ ʻ *

! ʻ&/'

0$0 . ʻ 2"ʻ 0--"ʻ 2+ʻ AC>Iʻ 0* ,# #0+ #0*ʻ ,#"24+/"+*ʻ ,"+$ '0*ʻ 2ʻ+*$0ʻ . ."*0ʻ '"11+'/0"(94+ʻ $+3+ʻ ,"# +2 $"# +ʻ ,# -' ,0ʻ '"110;"#02"#ʻ "ʻ *#ʻ ʻ(T03 +#ʻ "2# /4+*ʻ "#2+ #"

ʻ *40ʻ +*,+' 01 202+ʻ "ʻ 0ʻ ,"+* 0ʻ -0' "-01

"#0ʻ ʻ*#ʻ "#2+ #"ʻ '"110;"#0#0 . ʻ "4$#"*ʻ 2 *$ -+$"*ʻ 0'02+ . '"*($0+*ʻ '" . "ʻ "*ʻ *#*ʻ "0"ʻ 2+ʻ + . "*(+#,0ʻ . +-$+1("4$"ʻ "-$+ #"(ʻ +#+ #0ʻ 20ʻ 4-;0(ʻ ʻ 01 . + # . (+$'

4 $"ʻ +-/+-:"*0 . +-$+ʻ " ʻ 9401 '02"ʻ "ʻ ! ʻ 940-29ʻ +#0ʻ AC>Cʻ *+ʻ 2 **+<

. D < J

K? ! -0" + 4#- * . , +* F4 - 01(94+ #+ , #+*+-$+ " , +-
*0 . +-1" 2+ 4#- 1 " . + . (-+ . + $0 . ;+#0 0 +8 , #+**0" 2+ 4 . 0 '"# , "#0
/0"('" . " $013+G , 0#+'+ J 1+ . 2" . +# 1" , +**"01 2"* *+4* #+20'$"#+*(
01+ . 2" . 4 +1+302" '"-'+ $" 94+ 0 $"2"* . +#+'+ 0 - 3+# 202+ 2+
" . ;#0(+8 *1+ 4 . 0 2+0 /#0-2 "*0 94+ :0 2+ '" . . 4- '0# 0" !
0 . . "#$01 202+E * *"-* . 03 "*"* '" . 94+ 0 *40 1N#0 1"430 0
#+1 / 0" 2+ -"**"* . 0 "#+*(0* '0-/"+* '" . 94+ 0 :"-#0 + " 301"# , "#
14/4+G ;# 1:0 . '+#'020* , +10 /1"# 0(*0" " , +-*0 . +-$" 20 -"30 /+#0
/0" H

?*# T "2# /4+* "#2+ #"(4#- 2"* , "+ 0* '"110;"#02"#+* 2"
! 1+3+ " +1 G , +-*0 . +-$" 2+ #+4- # + . 4 . , #+' "*" 1 3#" 1"
20* 0* , #"24'/"+* 94+ *4''+** 30 . +-$+ "#0 . , 4;1 '020*

";*+94 "* 202+ 2" *#0f "#2+ #" 2+3+ . "* ; , "**4 # 4#- +8+ . , 10#
25+**+ 1 3#"('4F0 +2 /0" *+ +*/"$"4

+/ *10 . "* :0 , "4'" " +1"/ " + $" + . AC>C 0" ! . 0* -0"
2+3+ . "* " . $$ # " 94+ + . AC>D *+ 2 **+ -0 % <
>

9 ! J 4;1 '"4 *+ 0 *+8$0 "1:0 25+*$0 -$+#+**0-$+ '"1
1+'/0" 2+ 3+#*"* 2"* F"3+-* , "+ 0* 94+ 1 "F+ +*1420 . -0 - 3+#* 202+
$0 +8++11+-$+* , # . ' 0* 2"* *+4* +* , #0-/"*"* $+1+-1"* * " , 01 , 10-
$+* 2+ *+-1 . +-$" + , "+* 0(-/+-4" *+-$. +-$" 2+ 01 . 0* ':+ 0* 2+ 3 /"
+ 2+ +(, "+* 0 +* , "-10-+0 10" * -/+10 '" . " 0(-0$4#+G0 H

3+-$030 *+ 0 2+0 2+ 94+ "**+ , +##00-+-$+ -0 - 3+#* 202+ % , +-R
0 . +-$" "25+$0 , 4;1 '0/0"(+8'14* 30 2+ +*$420-$+*(+ '"-1 -4020 *+ .
-$+##4 , /0" , +1"* $01+-$"* 94+ *+ "**+ . *4''+2+-2" 5+*1+ . "2" 3
0 ! 0 *+# 4 . 2"'4 . +-1" -$+#+**0-$+ 20 -"**0 : *$"# 0 1 $$+
#0# 0

"3 , "*$+# "# 0" #+ -02" 20 *+-:"#0 (0# 0 -< 96" !
> < * * * 2

" . +*#0" '0*+ +*$ 0 . * 5 : *
* *

< +

0$0 2+ 0-+ #" 2+ AC7W(+ $+# . -"4 +#0 AC>>

+#+'+ *+# 0 , #+*+-$020 0"* -"**"* 1+ 1"#+* 0 , #+3 0 +8 , 1 '0/0" 94+
+*1+ F"#-01 2+4 0" , 4;1 '"(, " * 94+ . 4 1" '10#0 +5'0#0'$+# *$ '0 . +-$+
0** /;010 0 *40 -0$4#+G0(+ . 0 94+ *+ , #" , 4-:0<

K 0 /-"#0-' 0 2"* , "3"* $++ . 2 #00-02" $"2"* "* . 01+*(94+ 0 1

/ #0 . ' 0 3+11 0 4#",0(+' 94+' 0 -20 :"F+' ,+*0 -' *";#+' 01/ -* 2"* *+-* . 0 * ;211"* ,0 G'*' "-:+'+2"#+* 2'+*10 3+#202+("*/"3+#-"* . 0 * 114*' $#02"* -0" ,"4,0$-' .+"* ,0#0 2+##0 . 0# 0 -*1#4''0" +.' $"20* 0* '10*R *+* 20 *"' +202+' . 0 ,0#$+(0 . 0 * 2 . - $0(20 ,",410)0" 2+*1 -0 *+' 2* *' +-' 0*E ,0#0 +*$0 $++ .' "*' *0; "* +*'# ,$" ";#0* 3"14#0"*0*(9 +' 2+' . 0-20 .' $+ . ,"($01+-$"(+' . +2 $0'0"< 0/"#0(,"#+#0(,0#0 0* '10**+* 10' ;"# "*0*(0 94+4' ,"4'"* . 9 . +-$"* *";#0 .' 2+' *+-* + . ,#+/"*(+#0 -+' '+**0# " '#+0# 4 . 0 1 $$+#0$4#0 ,#", # 0 +' 2+' 101 0#$+' '"-'+; 20(94+' 0* '"-3 20**+' 0 + . ,#+/0# -5+1 0* 01/4#00* 20* ;"#0* 2+*$ 0-02* 0" #+,"4*" ' * F"#-0+* , $$"#+*'"* ,#++-':+#0 .' '" . ,1+$0 . +4$+' +* 0 '"-'+,'0"E #+' 2 / 2"* 2+;0 8$' 25094+11+' ,"-$" 2+' 3 *$0(+*$0* ,4;1 '0/"+* ,+# "2 '0* 2+3+ .' +-1#+ . +0# 940-$" 0* *' +-' 0* $++ .' 2+' . 0 * *+1+'$" +' 020,$02" 2* -$+11 /+-' 0* '" . . "-*('" .' $42" " 94+' 0* ;+110* 1+$#0* ,"2+ .' 0,#+' *+-$0# 2+' . 0 * #+'#+0$ 3+' 5+*$+' ."2+' " 1+ $"#(' 94+(,"# . -/"0 2+' $+ . ,"(-0" *+' 0 "4$0# 0 0 0;# # 4#-' 1 3#"('4F" 3"14 .+' " 2+*0- . 2#0('"1:+' '" .' 03 2+G +*$+* ,+94+-"* "1:+$"*(94+' ,# -' , 0 .' ,"# 2+1+ $01 "(+' -01 *0 .' ,"# -*$#4 1 "' " ' 0 -/10$+##0 " ,# #0+ #" 2+' $"2"* "* ,0 G+* 94+' '"-:+'+4' +*$0 -+'+** 202+(,4;1 '0-2" *+'+.' "-2#+*('" .' " 1 $41" 2+' D6' 5 ' 0* ,# .+ #0* ,#"24')"+* 25+*$+' /+-+#"(94+' 0, ,0' #+'+#0#0 -0 4#",0' +' #0-/0 *+/4 4' .0 * $0#2+' " *+4' +8+ . ,1"(*+-2" +.' AC77 94+' *+' ,4;1 '"4' " ,# . + #" -4 .+#" 2" 5 ' , +' ' .' "#$4/01' " ' #+';2" '" .' /+#01' 0''+10/0" " % ' +.' AC7D(1+-2" F ' 0, ,0#+' 2" +.' ACA6' :' 5 ' ,+# "2 '" +.' S #0-'+G(94+' ':+/"4' 0 '" . ,1+10-' 2" * 3"14 .+* Q

' ,0#$+' 1 $$+#0# 0 2" F"#-01' 2 3 2+ *+' -0* *+/4 -$+* *+'/"+*< AZ : *$"# 0 /+#01(+' ; "/ 0, : 0E S /+"/#0, : 0(3 0/+-*('"*$4 .+* +' '+#+' ."- 0* #+1 / "*0*(+$' E 7S : *$"# 0 -0$4#01E >S *' +-' 0* ,;N* '0*(." ' #0+* +' ++"-". '0*E DS 1 $$+#0$4#0 +' ; ;1 "/#0, : 0E S 30# +202+*

"-$ -:0 #+$#0$"* 2+' ,+#*"-0/+-* -"$03+ * 2+' "#$4/01(0-$ /"* +' ."2+#-"*(;+.' '" ." +*$0 . ,0* 2+' +2 1' "* +' ."-4 .+-1"* 2+' "#$4/01' +' 2+' "4$#"* ,0 G+*(+' ,+#*,+'$ 30* 2+' ' 202+*(,0 G0/+-*(+' "4$#0* '4' # "* 202+*

#0 2+*+ . ,+-:" 20 ,#" . +**0 94+' G+ . 2*(0 ,0/' 7C I' 2" $"#0" 3-((. +-' "-0#+#0"* 094' "* F"#-0+* *' +-$ '"*(1 $$+#0# "* +' 0#1 *$ '"* ,4;1 '02"* +#0 "0 -" ,+# "2" 2+' AC7>' 0 ACD7

3 ' ' ; ' & '' '

" ' ,4;1 '02" 4- '0 .+-$+' " ,# . + #" -4 .+#" +#0 0-+ #" 2+' AC7WE *+-2" #+20'$"#+* "0" -$"- " 2+' 3+110# +' "4$#"*

8 D * &/'

-' , "4 + . 7A 2+ F41: " 2+ C>A(+ 0'0;"4 +#0 7? 2+ F4 - : " 2+ 2+ AC>I(

" #+20'$"# ,# -' ,01 1042 " 0/#0 - /+ "-$+ #"

: *

" . +'"4 +#0 V 2+ "4$4;#"‖2+ AC>7(+ -2"0 +g 2+G+ . ;#" 2+ AC>>E

" #+20'$"# "0"(-$"- " 2+ 3+110#

+ -"3" ,# -' , " +#0 A7 2+ F41: " 2+ AC>V(+ -2"4 +#0 2+G+ . R ;#" 2" . +* . " 0--"

; 4 &/' $

" . + "4 + . AC[2+ 0-+ #" 2+ AC>6(+ -2"4 +#0 2+G+ . ;#" 2+ AC>C

"-$+ . 2+*'# , /"+* + . 0, ,0* +*0 *1 +"*(+ -"$ ' 0* -$+#+**0-$+* 0 #+*, + $" 20* '" *0* 2+ "0

+ AC>C +#0 2 0-$+ *0 4 ##+/410# . +-$+(, +#2+-2" 0 -2"1+ 2+ F"#R -01(. 0* '"-*+#30-2" 0 ,# . 1 30 2+* /-0/0" " . ,#+:+-2+4 -" 3"1 >S 8 2 B1+$1#0* 3 + -0 I Z ,0#$+ 0 1+$$#0 : AC77 ?' $" . " 7 S('"-$+ . 0 : + 5 * 20* 012+ 0* 2"* '"-'+1:"* 20* 1:0*(01*+$+ + 0#2+GE ,0#$+ I S ACD7(+ . 94+ " *4*,+-*0 +*$0 ,4;1 '0)0"

?' ; " ,4;1 '02" *";' 0 2 #+') 00 2+ 4 . 0 0**"' 0 0"(2+ 94+ +#0 2 #+'$"# + #+20'$"# 1 , ,+ +#N T03 +# Z

+ . "* '"-'14 2" 0 ;#+3 ** #00 -2 '0/0" 94+ ,#" . +1$+ . "* 0,#+ *+-$0#(-"* 1 #0 $+* + . 94+ +8,#+**0 . +-$+ 2+'10#2 . "* +-'+##0# -"*S

0#0 . 0 * 0 . ,1+ '"-:+' :+-$" + '# $ '0 2+ 01/4-* 2"* ,+# "2 '"* 2+ 94+ G+ . "* . +-/0"(-'41'0 . "* 0"* 1+ $"#+* '4# "*"* "* *+/4 -$+* *4;* 2 "*<

@0 3 " (* " ; $ 0+* &* Q 0 S02

0 ,#1# "0"# 0&&#2# 0 '%# +#+* +01 &' $

" $# " "# 78;D 0 78E;

+"0 (0 $ %* #+* +, 01 &'0 +" *060 "# 0)6%+& +0#&'"#,0) +0,% #H04 * 1 $ 1 &+0 $ "#1 &'#G01 +0 #&# 201 &0 + , * 0 "-#))#&'$0 0 **0& 0 '%# 10 &' $$,%+0 &#' + & 55# #60

. -$+#+**0-$+ 0#1 /" -$ 14102"<

J -*+#$" -" -4#0 AI(*+1+ . ;#" 2" ACDV

? #1 3 * 2+ --"'+-' "(+ . 2 3+#*"*' 1" . "*(0 ,#", "* $" 2"*' -" . +* 2+ 01/4-* 2"* F"#-0+* 94" 0, "-1 . "*

? : -4#0 I6C7 2+ 7 2+ . 0 " 2+ ACV7(+ IWA? 2+ A7 2+ F4-:" 2+ ACVDE + "41#"* -4 . +#"* 2+ $,0 * #+'+-$+ 20$0(+ . 94+ -'0-*03+1 *# "094 . 0#$ -* 2+ 0#301:"(+ "* *+4* +#42 1"* '"# #+*, "-2+-$+*(:0" #+4- 2" . 4 1"* +1+ . +-$"* 2+ - "#. 0'0"

"3 J +F0 " 94+ 0 ,0/ >AV + >AC 2" 1"#0" 3 0, "-1 . "* #+ + # -2" -"* 0" -4 # IWA? 2" : : *+ +G :"-#"*0 . +-'0" 2"* +*$. 03+ * -" . +* 2"* *#* 1" 2+ "#"-:0(130 411 "(0#301:" #"*1+*(0#1 -* +"#-+(+#+ #0 0120*(+11+* 2+ 01$"* "* 011+ ' 2"* "#0. #0+-' "-02"* --"'+-' " 20 130(+ " 3 *'"-2+ 2+ G+ 3+2"

+*+F0-2" 0,#+*+-$0# 0 . 0 "# *" . . 0 2+ -2 '0'"+*(94+ 0" . +-"* ,"**0#0 /4 0# "* +*142 "*"* ,0#0 " '"-;+' . +-1" 2+ -"1 ' 0*(0, "-$0# . "* *+/4 -1+<

" -1+#+**0-1+ 2 2" *# "0" "*+(2+ "4*0 +11+*(*+ +-'"-1#0. +*'10#+' #0+-1"* 0 #+*, + 1" 2+ 1"2"* "* ,+# "2 '"* 94+ +. "#$4/01 +* *40* ,#"3 -' 0* 41R $#0. 0# -0* *+ ,4;1 '030. -" 0--" 2+ AC67

. ACVI " ,4;1 '020 0 *+/4 -1+< , * * * 2

EBUE EFLG 0# 2+ 0#301:" #"*$+*

* #+*4. " 2+**0 +*$01 *1 '0<

"#-0+* ,"1 $ '"* CD?

H *' +-$)'"*(1 $$+#0# "*"4 2+*' +-' 0(I6A

H 2+ 0/# '41$4#0('". . +#' F -24*$# 0

+ 0#$+* >A

W 2+ . +2 ' -0(:0#. 0' 0(+$' I6

2+F4# *,#42+-' 0(02. - *$#0)0"(+$' >?

H 2+ #+1 / 0"($:+"1"/ 0(+$" >6

H 2+ 0**4. ,$"* . 1 $ 0 # + * E W

H 2+ $:+0$#+*(;+110* 0#$+*(#0"20*(+$' >V

H *0$N# '"*(;4#F+*'"*('# $ '"*(+$' >D

H 2+ 0--4-' "* >I

A<>?V

. ACV?2+'10#030 --"'+-' " #0-' *'" 20 130(94+ " *# -

1"- "' 0#1 -*' +"#-+(' 20' ' 202+' 2"' "#$"'B:0' ,"4'"' 011+' 2" (' 1 -:0'#+4' - 2"' 4 . 0'03-11020' '"11+')0" ' 0"' #0+-"*' 2"*' ,# -+ #"*' -4 . +#"*' 2"*' ,+' # "2 '"*' ,"1 $ '"*(' 1 $1+#0# "*(' -"$ ' "*"*(' +$' ' ,4;1 '02"*' + . ' "#$4/01' -"' ,#+*+-1+' *+'41"

?' . +* . "' --"'+-' "' 2030' +*,+#0-'0*' 2+' #010#' +*$0' +*,+' +' + . ' 4#-' 0#$ /"' 94+' $+# 0' ,"#' $ $41"<

.' A7' 2+' F0-+ #"' 2+' ACVV' 2030' "' *#' "094 #0' 0#1 -*' 2+' 0#30R 1:"(' -"' : ' 0' *+/4 -$+' -"1 ' 0<

0 4#0-1+' 0' + . /#0/0"' 1 ;+#01' ,4;1 '0#0 .' "*' + . /#02"*' 2 3+#*"*' F"#-0+*' + .' #0-/0(' -/10 +##0(' +' 4 .' -0' 1:0' +#'+ #0 J + . "*' '"-:+' ' . +-$"' 2"*' *+/4 -1+*< J , ' ' ' : ' (2 * ' ' V ' ' ' ! ' 2 ' : ' ' ! ' "2"*' +*1+*' +#0' , "#1 /4+ J .' #0-'+G< ' : ' ' . ' * J ' /' * ' ' + .' 240*' '"14 . -0*(' 4 . 0' + .' -/1+G' +' "41#0' + .' ,"#14/4+G H

0*' F0' -"' . +* . "' : ' 2+' ' 2+' F4-:"' 2+' ACV (' ,4;1 ' ' #0' 4 . 0' '4# "*0' -"1 ' 0' '" .' "' 1 $41"' 2+' J ' /' ' ' : ' EF/F2EFLM' 2+2 '0-2"' "' *+4' $#0;01:"' 0' $"2"*' "*' *+4*' '"11+/0*' 20' . ' ,#+-*0' ,"#$-/4+GO

0"' #+,#"24G . "*' 094 (' ,"#' . 4 1"' +8$+-*0(' 0' *$0' 2+' $"2"*' "*' F"#R -0+*' 94+' *+' $+#-' ,4;1 '02"' + .' " . ;#0' 2+*2+' "' 0--"' 2+' AC?C' 01+' 0"' 2+' ACVD' "' -4 .' IWA?(' 2+' AD' 2+' F4-:"' 2+' ACVD(' ,"2+ .' "*' 1+ $"#+*' 3+#' +**0' 1 *$0(' 94+' 0;#0-/+' "*' ,+# "2 '"*' ,"1 $ '" ' +' "*' 1 $1+#0# "*

' ,"*$+# "#' 0"' #+ -02"' 20' *+-:"#0' ' 0#' 0' (' 0' ,4;1 '0/0"' 2+' "4' $#"*' F"#-0+*' *' +-$ '"*(' 1 1$+#0# "*' +' 0#$ *1 '"*(' 2+' . +#+' . +-$"' 5+11+*' -0"' ,"**"' 20#' -"1 ' 0' +*,+' '020(' ,"#' 940-$"' 094' *"' $#0$"' 2"*' 94+' *0 #0 .' 2+*2+' AC7>' 0$+' 0"*' -*' 2"' 0--"' 2+' AC77

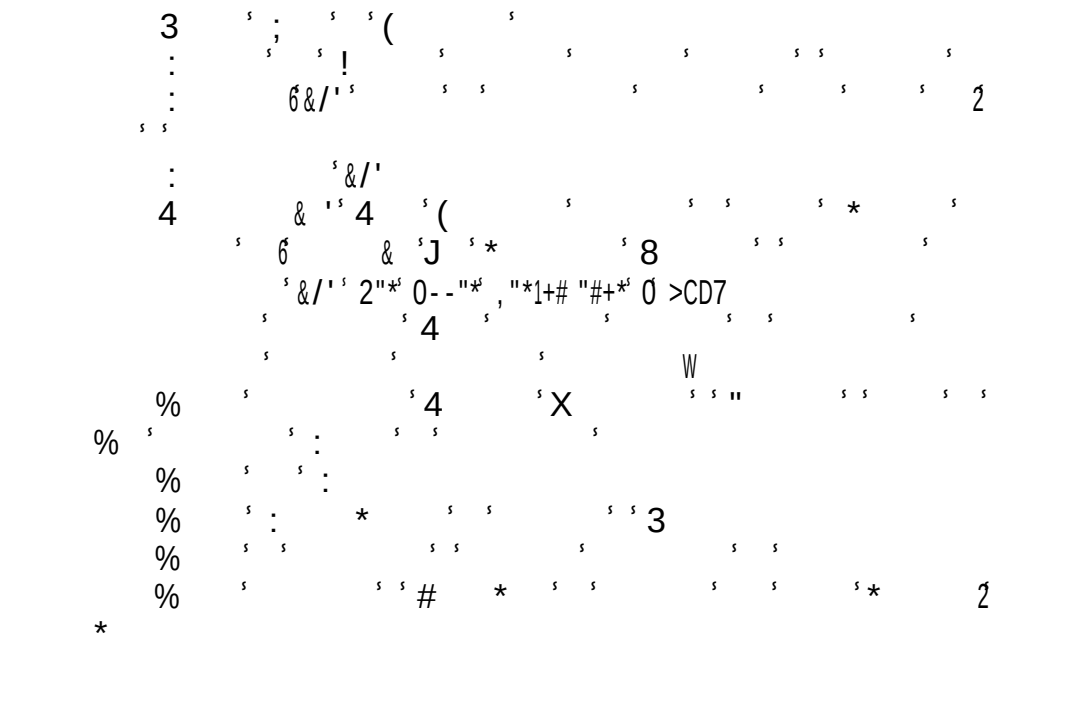
+3"' 0,+-0*' 0,#+*+-$0#' 0' -2 '0/0"' 2+' 01/4-*' 2+' . 0 "#' -"#0+020' ' +' -$+#+**+(' '" .' 940-$"' "' * 1+-' "' 0' #+*,+ $"' 2+' "4$#"*' 00"' * /- 94+' ' . 0 *' 1+3+' . +-"*,#+/"

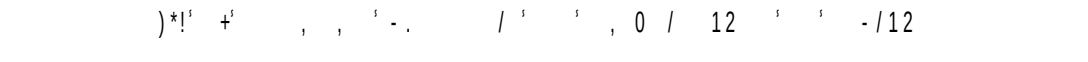
*' . 4 $"' ,"#' . 0 ,#' 0' -2 '0/0"<

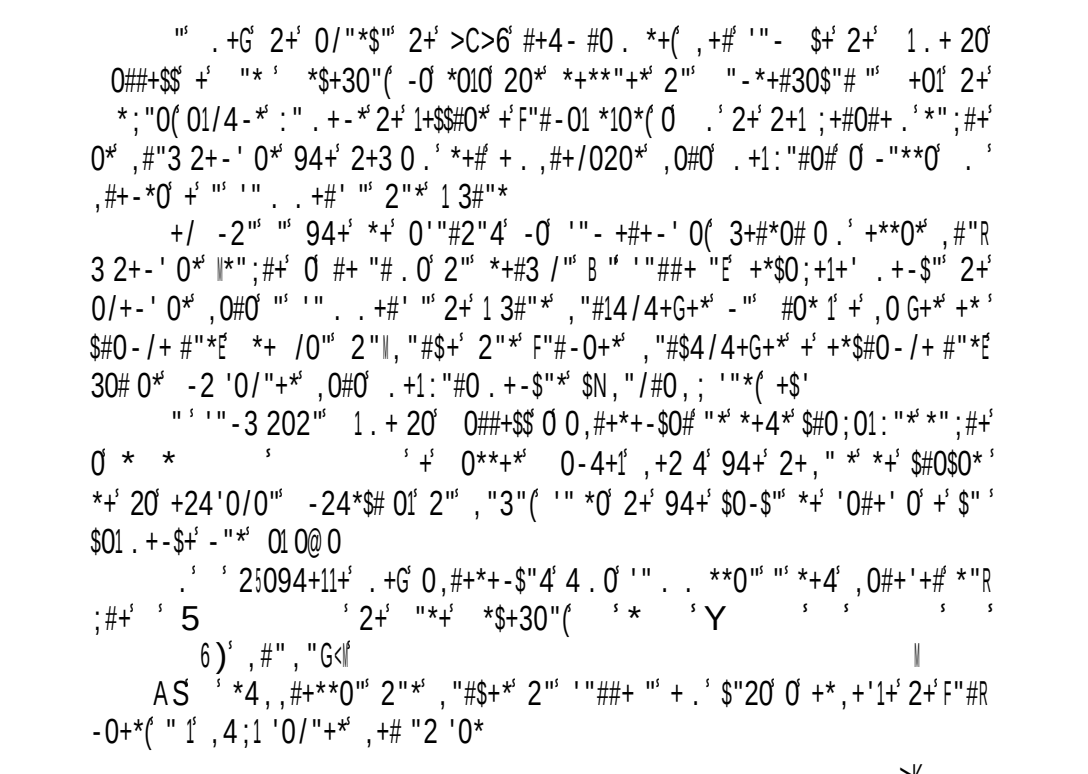
' 5 * ' ' ' ' ' (' % ' ' ' < ' ' ' ' 2

3 ' ' ' ' : ' < '

+3 ' ' : ' ' '







I ' $ 11 3 "' 0"*' 1 3#"*' ,"#$4/4+G+*' 20' ", ,#+**0"' 2+' +8'+** 3"*' ,"-R
$+*' 2"' '"##' "E 1 80-2" *+' 4 . 0||$080' 4- "# . *' +' 03"#+'+2"#0
7 ' $ +/"' 0 0"' 2+' '"-3+-'"+*' ,"*$0+*' '" . '"' #0* 1(+*,0-:0 -'
/10$+##0(#0- 0(+1/ '0(+$' (#+10 30*' 0"*' ,"#$+*' +' 2+*,+G0*' 2+' $#0-R
* $*' 2"*' F"#-0+*(1 3#"*' . ,#+**"*E +' -5+*$+' #0+ "' $+ . ,"' "-2+' +/401'
,#+'+2+-$+' +*$ 3+**+' +*$0;+1+' 2"' ,0#0' '" . -"*'"
>' $ -'0##+/0# ' 0*' 02#0 - *$#0'"+*' 2" ' '"##+ "*(+ .'
$"2"*' "*' 2 *1# '$"*(2+' #+'+;+#+ .' 0** /-0$4#0*Z ,0#0' 1 3#"*(F"#-0+*' "4'
,4;1 '0'"+*' 940+*94+#
D ' $ #",0/0# "' *N $+ .0' 2+' *+/4#"*' ,"# . + "' 2+[A+$$#0*' 0' 940+*R
94+# 940-$ 0*E 1 . $0-2"(,"#+ . ("' ,0/0 . +-1"' ' 3 *$0' 20*5#+ +# 20*'
940-1 0*' 0' 4 . 0' *" . . 0' ,#","#' ""01' 0*' "# . 0*' 2+' '020' 02 . - *1#0"0"'
2+' '"##+ "
' $ -'0##+/0#(-2 $$ ' "*' '"-*41+*' 2+' +*,0-:0' +' #0* 1' 2+' #+'
'+;+# 0** /-0$4#0*' +' 3+-2+# "*' F"#-0+*' +' 1 3#"*' ,"#$4/4+G+*(. +2 0-$+'
4 . 0' '" . . **0"(94+' :4-'0' +8'+2+# 0' 940$#"' ,"# '+-$"' 2+' ,#+ . "
"3' *$+' ,0#+#+# 3 -:0' ##002"' ,+10*' 0** /-0$4#0*' 2+' "2# /"' 20'
"-*+'0' 2+' 0/01:0+*(-$"- "' 2+' 1 3+ #0' 0##+'0("*+' *$+30"' "+'
;"' 2+' 0/01:0+*(4 G' 4/4*$*' +;+11"' 20' 130

' '" . . **0"' +-'0##+/020' 2+' +80 . -0# "' 5 ' 2+' "*+'
*$+30"(' * ' ' ' ' * ' ' ' '
* ' 0,#+*+-$"4' "' *+4' ,0#+'+# + .' AV' 2+' 0/"*$"' 2+' AC>6
#","G "*' *+/4 -$+*' 013 $#+*<
A ' $ -*,+''0"' 20' 4-2 /0"' 2+' $N,"' -0' (* ' " ' ,#+#"' #0'
"03+1' ,0#003+-20' 2"' $N,"*' 01' 4-2 2"*(+' 2"' $N,"' 3+1:"' 94+' *+' 2 **+'
+ .' 2+*'"-$"' 2"' -"3"E #+F+ /0"' 2+' $N,"' 3+1:"(0,#+*+-$02"' ,"# ,+**"0'
94+' -0"' $ 3+**+' $N,"/ 0,: 0("4' -0"' ."*$#0**+' "' ."2"' 1+/ $."' ,"#94+'
' :"43+
I ' f " . ,#" . **"' 2"*' 2"-"*' 2"*' +*$0;+1+' . +-$"*' $N,"/#0,: '"*(
,+1"' 9-01' *+' ";# /0**+ . E S 0' *+# . 0 *' '04$+1"*"*' -0' 02 . **0"' 2+'
0,#+-2 G+*(+*,+' 01 . +-$+' 2+' '" . ,"* $"#+*E S0' ,#"*'#+3+#' "' 4*"' 20*'
;010*(*4;*$ $4 -2" *+' ,+1"*' #"1"*E 7S 0' *4;*$ 14 # "*' ,#+1"*' 2+' +##"'
0"*' 2+' . 02+ #0E >S 0' *+#+#0' . 0 *' '04$+1"*"*' -0' +*'"1:0' 20*' $ -$0*
7 ' $)4+' *+' *"11 ' $0**+ .' ,#"3 2+-' 0*' ,0#0' 0*' -N $# G+*' + ,"-'"+*(
,0#0' 4-2 /0"' 2+' $N,"*' +' "#-0$"*' $N,"/#0,: '"*(|*+#+ .' 1 3#+*' 2+' 2 #+ '
$"*' 2+' +-$#020' ,"# $9 . ,"' 2+' 2+G 0--"*(*+-2"' . ,"#$02"*' ,"# '"-$0'
2+' 94+ .' $ 3+**+' "4' ,#+$+-2+**+' +*$0;+1+'+# 4-2 '0"
>' $ +#0+1:0-$+ .+-' ,0#0' 94+' "*' 2 #+ $"*' 2"*' $N,"*# +' "#-0$"*(
1 -:0*(3 -:+$0*(+$' (2"*' '"#,"*' + .' + $ "*' 94+' -0"' :"43+**+' 4-2 2"*

+ . ' "#$4/01("**+ . ' #+24G 2"* 0 4 . ' $+#X"' 2"' 94+' ,0/0**' . ' -5094+1 '
10 ,"'0E ;+ . ' '" . "' 10 . ;+ . ' "**+ . ' #+24G 2"* "* 2 #+ 1"* 20* ,+2#0*
1 $;"/#0, ; '0*(2+' 9401 202+' *4 ,+# "#("4' 2+' . 0 "#+* 2 . +4*"+* 20*
 0' "-0+*

 D ' U) 4+' + . ' 2+G+ . ;#"' 2+' AC>C *+' '"- +# **+' 4 . 0 . +201:0 2+'
. +# 1"' 0"' 2"-+' 20 $N,"/#0, ; 0 ,0#$ '410# 94+' 0 ,#+*+"10**+' B+ . ' 4 . '
'"-'4#*"('4F0 ' '"-2 /;+* 2+3 0 . ' *9# ,4;1 '020* '" . ' 0-1+'+2+-' 0 2+'
9401#"' . +G+*=' 0 ";#0 1N,"/#0, : '0 . 0 * ,+# + $0 + . ' 1"2"* "* *+- '
$ 2"*

 ' S) 4+' *+' +*10;+1+'+**+' 4 . 0 0410(-0 '02+ . 0 20* +110* #$+*(
,0#0 +-* -"' 20 U/#034#0 + . ' . 02+ #0(0#$+' -0*" -1+' +-1#+' -"*(94+' 01 >*
1 -:0 F0 + 1"' ;0*10-$+* ,#"/#+**+*

 V ' S) 4+' 01/4 . 0 *"' +202+' 1 $$+#0# 0 2 *'41 **+' +' ,#", "G+**+' 4 . '
N$+ . 0 2+' "#1"/#0, : 0(94+' :"43+**+' +' *+# *+/4 2"' ,"# 1"2"* "*
04'$"#+*(+' + . ' $"20* 0* ")1' -0*

 "3 ' " ' +*$+' ,0#+'+# 0** /-02"' ,"# "*+' 0# 0 "##+ 0 2+' 0 '
''#20(-$"- "' 2"* 0-$"* "-$+ #"(4*+' *$+30"' "+1;"' 2+' 0/01:0+*(
 "2# /"' "*+' 2+' . 0 +1-+#

 +4' "''0* 0"' +*$+' ,0#+'+# 0 94+' "' 02 . - *$#02"# 20 . ,#+-*0 0 '
' "-01 0'42 **+' + . 2+ +G0 2+' $0"' . ,"#$0-1+' +*10;+1+' . +-1"
 = >@(* ' " '0--"' 2+' AC>6(-"' 1" . "' ' ,0/' 7A6'
 6 ' ' TF
 +F0 10 . ;+ . ' 0 +-+#/ '0 +' 3 '$"# "*0 #+*,"*10 2"' 02 . - *$#02"#
20 . ,#+-*0 0' "-01 -0 % ' < ' 2+' AD' 2+' *+'
$+ . ;#"' 2+' AC>6

 4$#0' '" . . **0"' 0,#+*+-$"4' 4 . ' ,0#+'+# +*,+' 01(+ . ' ;+-+ ' "' 20
. ,#+-*0(-"' *+- 2"' 2+' 0' 1 $0# 0 . ,#+**0"' 2;* +*'# ,1"*(0# 1 $0# 0
*40 ' #'410/ "' 2+," *' 2+' . ,#+**+*(+' 20# '"-:+' . +-1"' 0"' ,4;1 '"' 20*
-"$ ' 0* +' 202"* +*10 *1 '"* 2+' 94+' "' /"3+#-"' ,"2+**+' 2 *,"#
 *$0' '" . . **0"' +#0' '" . ,"*10' 2"' 2+94+' 2+' 01 . +110(2+' "*+' 0R
0 #0-2+("*+' *$+30"(+' -$"- "' 2+' 1 3+ #0 0##+'0E +' ,#", 4-:0<
 A ' S +24+/0"' 2"* 2 #+ $"* 2"' ,0,+1' +]1#0-/+ #"(,#", # "' ,0#0 0
. ,#+**0"(0 >??' #+ * + . ' #+* . 0
 I ' S ;# /0# "* '"##+ "* 0** *$+-$+* 0 +*$0;+1+'+# +#0 '020 '0 '
;+/0 2+' 2 *$# ' "' +' '"-'+ :"' 4 . 0 1"F0 2+' 1 3#+ #"' ,0#0 0 3+-20 2+' . R
,#+**+* ,"#$4/4+G+*(. +2 0-$+' 4 . 0 '" . . **0"' -0"' +8'+2+-$+' 0& ' ,"#
'+-1"
 7 ' S #01 '0# "' . +* . "' ,0#0 '" . ' "* -"**"* '"-*"1+* "4' 0/+-$+* '"-

410#+ -0* ' 202+* ,# -' ,0+* 2"5 #0* 1 ,0#0 0 3+-20 2+ . ,#+**+*
,"#$4/4+G+* 509 +11+ . ,+# "
> S +'" . .+-20# 0"* -"**"* '"-*"1+* "4 0/+-$+* '"-*410#+* + .
$+##0* 2+ +*,0-1 0(94+ 0' 1 $0**+ . 0 + $#0' 0"5 2+ 940+*94+# . ,#+*R
+ 2+ "# /+ . ,'#14/4+G0
D S #0 940-$"5 *+ -0"5 "#/0- *030 4 . 0 3+#202+ #0 #+,0#$ /0"5 2+
+*$01 *1 '0(2+3+# 0#0 "* +*$0;+1+'F . +-$"* + #+,0#$ /"+*F2"5 +*$02"5 .
- *$#0# 0"* F"#-0+* -"1 ' 0* + 202"* +*0 *1 '"*(94+ 0"5 ,4;1 '"5 -$+
#+**0**+ . +, "2+**+ . *+# ,4;1 '02"* *+ . -'"-3+- +-$+ 2"5 *+#3 /"

4$#0 '" . . **0"5 ,#+*+-$"4 "5 *+4 ,0#+'+# *";#2f 0
,0#+'+-2" 1:"5 . +1:"# 9 + *+ 2 **+**+< +
#0 94+ '"-* *1+ 0 4- 202+ 1 $$+#0# 0(-"5 '"-'+ $"5 20 '" . . *R
0"X J K "- *$+ + . 94+($0-$"5 -"* F"#-0+* '" . "5 +#0 940*94+# "4$#0*
,4;1 '0/"+*(+ . 1"2"5 "5 ,"-$"5 2+ 0#$+(2+ *' +-' 0(2+ 1 $$+#0$4#0($#0
;01:+ . ,#" . *'40 . +-$+ $"2"*(*+#0 2 *$ -+/0"5 2+ '"# ,"1 $ '0 0 -20
94+ "* F"#-0+* *+F0 . ,"1 $ '"*(+ 2"5 #00 * ", ,"*1"5 ,0#1 2"5 > ,+**"0
94+ +*'#+30 Q
0 '"- "# . 202+ 25+*$+ +-4-' 02"5 0** /-0#0 . 4 . 0 2+'10#0/0"5 *"
1+ . -+ "* *+/4 -$+* 3"/0+*< "2# /"5 20 "-*+'0 0/01:0+*(3 *'"-2+ 2+
4#" . +- ;0(1+80-2#+ +#'410-"("0"5 0,$ *$0 2+ 1 . + 20 0##+$$

+#+ . "* "''0* 0"5 2+ 3"1$0# 0 -20 0 2 G+# 01/4 . 0 '" *0 0 #+*,+ $"5
25+*$0 0**"' 0'0"

?

'

. AW 2+ 0/"*$"5 ,0#$ ' ,"4 0"5 /"3+#-"5 "5 ,#" +**"# 2+ 0#0;+(#+#
0-4+1 +;+11"5 20 130(94+2+*2+ "5 0--"5 2+ ACIW :03 0 . #+94+-$02"5
0 *40 0410 01/4-* +*$#0-/+ #"*E *+-2"5 4 . ;+1/0(4 . #0-'+G(4#- +*'" '
'+G(+ $#+* -/1+G+*

0&) +6%0&*)0&& *0& #+,0#& 0 0B *0 6 #60 B#B 0 *0 "#1 &+ , * 0& &#6% +" " 2# & &$# " &"0 B &, 0) ,,# 0 0 + , 1 $06 NN8 NDD N ;4 + , 1 ,$06 7 78 ND ND84 + , 1 /$06 ;9< 0 ;8N

$ #&#+,#*0$,%) #+ &- &' 1 1#" 0 &0$ #&#+',01 && B #' 0&&?1$, 0&+ , * 0&(&, * .)#6 &)0, 20&'%#$# ,#+*#1 0 # +0" "0&#+(0 0 0,

**+* +*$#0-/+ #"* 1 -:0 . 0'42 2" 0" +-* -" 9-+ + .   "#$4/01 +8 * $ 0 20 1 -/40 0#0; '0(0$#0 2"* ,+10 . +#+' 20 0 . 0 2+ *+# #+   0-4+1 +;+11" 20 130(" . +1:"# 0#0; *10 +4#",+4

* 0'"-$+' . +-1"* ,"1 $ '"* 2" 0--" 2+ AC7> - 14 #0 . (0" 94+ ,0 #+'+(-0 . +-"* +1 G *"#1+ 94+ ,"# +**+ $+ . ," '"4;+ 0"* ,#" +**"#+* 2+ 0#0;+ . 0* " 114*$#+ '" . . **0# " 2"* +*$42"*(#0-' *'" #+ #+ 2+ 0#R 301:"(2+1 /+-' 9F4 9-+ 0 #+*,+'1 30 041F (0$+ +-$0" '" . " 94+ *+,0#020 2" 9402#" 20 -*$#4') " ,4;1 '0(+-$#0**+ -0 #+/#0 /+#01 2" +-* -"(+ 94+ "* ,#" +**"#+* B,#",# +10# " + *4;*$ 4+ "**+ . -'14 2"* +#0 "1:0 '" . " "* 2+ . 0 * ,+1" . - *$+# " 2" #+ -"

. "4$4;#" #+94+#+#0#0 0" /"3+#-" #+ ‖ 0-4+1 +;+11" 20 130(+ # -$"- " 2+ 0*$#" B" ,# . + #"(,#" +**"# #+/ " 20 1 -/40 0#0; '0(*+/4-2"(*4;*1 141" 20 . +* . 0 '02+ #0 (+8,"-2" 0* # *$+* ' #'4 . *$0-' 0* + . 9-+ *+ 0';030 . (,"# ;+* 01$0#+ . "* . + "* 2+ *4;* *1+-' 0 + . #0G0" 2+ -0" $+#+ . ,+#'+; 2"(:03 0 . 0 * 2+ 4#- 0--"("* *+4* #+* ,+' 3"* "#2+-02"* 4$#"* . +8,4-1 0 . 94+ +*$030 +':020 0 #+*,+ '$ 30 0410('" . /#03+ ,#+F4 G" 2" +-* -" ,4;1 '"

+# . -030 . ,+2 -2" *+# . +$$ 2"* -0 '" . ,+$+-$+ "1:0 2+ 3+-' . +-$"*(+ *+ :+* . 0-20**+ ,0/0# 2" * 940#$+ * 2+ *+4* "#2+-02"*(,0#0 0" . +-"* ,"2+#+ . 3+*1 # *+ 2+'+-$+ . +-1+

(-01 . +-1+(,+2 0 . 94+ *+ 2+*$ -0**+ ,0#0 1"'01 20 0410 2+ 0#0;+ 4 . #+'0-$" 2" 2"# . 1"# " J 2+ ' . 0 J 2" +81 -'$" '"-3+-$" 2+ +*4*(;+ . '" . " ,0#0 :0; 10/0" 2+11+* #+94+#+-$+*

? /"3+#-"(+ . ,"#$0# 0 2+ I? B " . +* . " . +G("#2+-"4 0" '" . R . **0# " 2"* +*$42"* 2+ *;"0 9 + -'14 **+ "* #+94+#+-$+*('" . "* "#2+-02"*(-0* #+*,+'$ 30* "1:0*(+* *+ +* G+**+ " ,0/0 . +-$" 2"* 2" * 940#$+ * #+94+# 2"*E 2+9 0#0-2"(0 #+*,+ $" 20 0;+#$4#0 20 0410 -" 1"'01 0,"-102"(949 *+# 0 . +8,+2 20* 0* '"-3+- +- +* "#2+-* ,0#0 01 *+ + +$40# -1+# -0 . +-$+ " +*$0;+1+' . +-1" #+94+# 2"

 2"1"#"*0 0 #+'"#20/0" 2+*$+*‖ 0'$"*(+ 0'"2+ -014#01 . +-$+ 0" ,+- *0 . +-1"(0-$+* 0" '"#0/0"(" 10*$. 0# 0 0 . 0#/4# 2+ 2" * #+1 / "*"* 94+ *+ 3 0 . "#/02"* 0 *4, ,1 '0# " 3+*$40# " + " #+'0 $$" 2+ 4 . +2 ' " ,0#0 *40 . "#0201 0 -20 . 0 * 3 30 . ,#+**0" 2+ ,+*0# *+ #+'+;+(0" '" * 2+#0# 94+ +**+* 2" **4, ,1 '0-1+* +#0 . ,#+*$03+ * 0 -0/ "(,"# *+ + . &,#+/0#+ . -" +-* -" 2+ 4 . 0 1 -/40 2 11 ' 1 . 0(940-$" #+'" . . +-203+1

#

5+*$+ 0- - " +1+302" "#2+-02" 2" ,#" +**"# ,#", # +$0# " 20 '02+ #0 2+ 1 -/40 0#0; '0 0 >>? X???? #+ *(+ " 2" *4;*1 141" 0 I??F ??? # &

'

+10 ,"#$0# 0 2+ 2+ "4$4;#" "#2+-"4 " /"3+#-" 0" ' " . . **0# " "*(+*$42"* + . *;"0(94+#,0#1 ' ,0**+ 0 5 " 3 (J 94+ ,+1" . - *$+# " 20 /4+##0 +*Z $030 . 2020* 0* "#2+-* -+'+**0# 0* ,0#0 *+ :+ '"-1 -40#+ . 0 0;"-0# "* I>? D???? #+ * 94+ 3+-' 0 ' " " 0#00-4+-*+ 2" +81 -'$" +*$02" . 0 "# . ,+# 01(-0" ";*$0-$+ # +11+ #+* 2 # ,"# 01/4 . $+ . ," -" . ,+# " 2+ 0##"'"*(* * + -" >"* 4*"* +' '"*$4 . +* 2 ,1" . 0$ '"* 25094+11+ ,0 GE 2+'10#0-2" *+ 94+(,+1" . - *$+# " 2"* -+/"' "* +*$#0-/+ #"*(:+ *+# 0 . ,0/+*(0 $ 141" 2+ /#0$ '0' "(24#0-$+ 0 #+* 2+-' 0 + . 0-/+#(7?? D???? # * 0--40+*(-$+#+**02" 2+3 0 0,#+*+-$0# *+ -0 *+'#+$0# 0 2"* -+/"' "* +*R $#0-/+ #"*(,0#0 #+'+;+# 0* "#2+-* + -*$#4'/"+* '"-3+- +-1+* +3+# 0 +/401 . +-1+ '0# -$+ #02" 2+ 94+ :+ '4 . ,# 0 20# #+/4 10# . +-$+ , #$+(," -1+#3+-/0" 2" '"-*41 #+*,+'$ 3"(2" . "2" ,"#94+ 0 *01 * 0G+-2" " ";F+'$" 20 *40 . **0"

+3+ . "* 0,#"3+ $0# +*$0 ", ,"#$4- 202+ ,0#0 0110# 2+ "4$#" 2 * ' ,41" :"$03+1 2+ #+ "0" 2+ "4*0E 0'#+*'+-$0-2" 01/4 . 0* -"$ ' 0* >* 94+ 2+ . "* -" $" . " (,0/ IC6 + IDV(+ $" . " 3(Ⅱ,0/ IVV 1142 . "* 0 #+ "*+ 2+ 0-$" -$"- " "4#0(+ ,#+1+-2+ . "* 1" . 0# -"$0 20* ,#"30* 94+ +10+ 2+ 8"4 20 *40 +#42 /0" 0# ; '0 0 *+**0" 2+ I I 2+ F#-+ #" 2+ AC>7(20 '02+ . 0 +01 20* ' +- ' 0* 2+ *;"0(2030 " #+*,+'$ 3" *+'#+$0# " -"$ ' 0 2" 011+' . +-$" 2+ #+ "*+ 2+ 0-$" -$"- " "4#0 + " '0#0'$+# *030 2+ J 9

011+'+" + . *;"0 -" 2 0 A? 2+ +3+#+ #" 2+ AC>?

" 0--" 2+ AC7? ,4;1 '0#0 0 '02+ . 0 +01 20*H ' +-' 0* 2+ *R ;"0(' " . " 2 **+ . "* -" $" . " -(,0/ I7V(0 U +2 /0"(2"* ?

D V

20 * 04/ . +-$02 + 0--"$02 +*$+ +8 '"- ,"# B 5 *"' 20 '02+ . 0(" ' 01 20 *+'#+10# 0 2"* -+/"' "* +*1#0-/+ #"*(+ -1+# ,#+1+ #+/ 20 #+ +# 20 1 -/40

-$+* 25+*$+ $#0;01: 0,#+*+-$"4 #+ "*+ 2+ 0-$ -$"- "4#0 2 '02+ . 0 0* *+/4 -$+* + . "# +*<

5 * + * , * * #

#0$030 *+ 2+ 2+ +-2+# . +*$#+ #+ "0 2+ "4*0('"-$#0 0* ";*+#30/"+* '# 2'0* 2+ 2+ 0'N(0 ,#", "* 1 20 $#024'/0 94+ 094+11+ -* /-+ 0,0; *10 :03 0 + $ 20 -2 '020 -*'# ,/0"

"$0#+ . "* 94+ "4#0 2+'10#+ $+# '"- +# 2"(0 +*$+ #+*,+ $"('"XH * * 5 % 2 :

5

#01030 *+ 2+ 240* . +2011 0*(94+:03 0 . * 2 +-'"-$#020* -0 :+# 202+ 2+-" . -020 K "#$0 20* " #0*Z #+/4+G 0 2+ 0-$0 #4G($+# . 20 3 110 2+ 1 . "2"30#(,0$# 0 2+ #+ "*+ 2+ 0-$ -$"- "4#0 * $#+* "4$#0* . +201:0* 1 -:0 #+ "*+ $#0G 2 20 # '0

5 D , 5 6 2

0 *+**0 2+ V 2+ F41: 2 ACID 2 G 0 *''#+$0# B 0 '02+ . 0(94+ -5+*1+ $#0;01: *4; . - *$#0#0 #+ "*+ 2+ 0-$ -$"- "4#0 - J * , 9 , 6 0''#+*'+-10< K *$0 ";#0 (,+1 . +-"*(4#- . ,"# $0-$+ 2"'4 . +-$ 2+ . "-*$#02"# 20 '# 1 '0 d" . 94+ 2+3+ . *+# 1 2"* "* : *$"# 02"# *(940-2 0110 . 20* *40* -0/"+*E 01+ . 2+ 94+ " +#+'+ 2 '"-$+ . ,10/0 2"* :" . +-* -"$03+1 0'$ 2+ :03+# * 2 /"3+#-02 094+11+ ,0 G ,"# *+ * 2N-0*$ +*("4 *+**+-10 + -"3+ *";+#0-"*(+ . . +-"* 2+ -"3+ *+'41"* 2+'"## 2"* +-$#+ "* 0--"* 2+ VCC + ACD6 S

. * , D 2 * , , 5 * 25 * 9 5 *;"0(ACIC

"3 "* $ $41"* 94+ F2 0,#+*+-$0 . "* 2+ #+ "*+(0''#+*'+-$0 +11+ -5+*$0 ";#0< 8-2 + * 6 -$+-/0 2" 114*1#+ #024'$"# +#0 , # " "# / -01 0" 102" 20 3+#P *0" ,"#$4/ +G0E . 0* -0" ,22+ *0$ * 0G+# 0 * 0 3"-$02+ -5+*1+ ,0#$ R '410#(* , D* * 2 (

" +-$0-$"(" . 0-4*'# ,$" 20 $#024'/0" 94+ +-1#+/"4 0 '02+ . 0 " + -'02+#402" '" . 0 '", 0 0#0; '0

? - 2 (* 2 3 23 *;"0 " . " (" AC>? " . " (ACDD

0 *+**0" 2+ AD 2+ . 0 " 2+ AC7C 2 **+ " *+'#+$0# " 20 '02+ . 0< K?* *# "*+ 2+ 0-$" -$"- " "4#0 '"-'14 4 0 *40 $#024'/0" 20 ? 2 3 23 3 0F0-1+ 0 # '0-'6 2" 8 3 *+'41"(+ 2+ 94+ -0" :0 . ,#+**0(-+ . 0 ";#0 "# / -01(-+ . 0 $#024'/0" '" . ,1+$0 + . -+-1 4 . 0 20* 1 -/40* 20 4#",0 S

' '

?' 2+'#+$" 2+ I?' 2+ *+$+ . ;#"(-" 0#$ /" >C S(-'"#,"#"4 -" '4#*" 2" N'+4 2+ *;"0 0 0410 2+ 1 -/40 0#0;+(2" #0+* . " . "2" 94+ 0* 2+ /#+/" + :+;#0 '"

+3+ -"$0# *+ 94+ 0 1 -/40 0#0;+ *" -" N'+4 2+ *;"0 $+3+ '0 ; . +-$"(J 0" ,0**" 94+ -" 2+ " . ;#0 " -'"#,"#02" " +- -" 2" /#+/" + 2" :+;#0 '"(+ -"* 2" "#$"(#0/0 + 3"#0(*" . +-$+ " 2" /#+/"

' %

" 2 0 AD 2+ . 0#/" 011+'+4 " *0; " 0#0; *$0 # 0-4+1 +;+11" 20 130

+1"* -* 25+**+ . +* . " 0--" 2 G 0 -$"- " 0+$0-" +#+ #0(2 *' , 41" 25094+11+(+ . . 0 *+**0" 1 $$+#0# 0 20 '02+ . 0 +01 20* ' +- ' 0* 2+ *;"0< K #+* "#0 . " "* -* /-+* 0#0; *$0* "#$"/ +G"*< 5 % , #" +**"# ,#",# +$0# " 20 '02+ #0 2+ 0#0;+< # "*+ 2+ 0-$" -$"- " "4#0(" ' 01 -$+#,#+1+ -0 *+'#+$0# 0 2"* -+/"' "* +*1#0-/+ #"*< + # -$"- " 2+ 0*$#"(,#" +**"# *4;*$ 4" 20 2 $0 '02+ #0< F0 $"2"* $#+* 011+'+#0 .(+ ,"# '"-*+94+-' 0 10 . ;+ .

J %0 J

. "##+ + . "#14/4 1 0 +*'"10 20 1 -/40 0#0;+(94"' $0-$0 /1"# 0(:"-#0 + ,#"3+ 1"' '04*"4 7-0'0" ZS

'" . + + $"(,"2+ 2 G+# *+ 94"' . "##+4 + . "#$4/01 0 +*'"10 20 1 -/40 0#0;+

+ " G+ 2 *' ,41"*($"2"* ,"#$4/4+G+*(+ 01/4-* 2+ /#0-2+ $0 1+-1"' + 0, ,1 '0'0"(20 411 . 0 ' ,"'0 2"' ,#" +**"# ';+11"(2" * *" . +-$+ 0,#"3+ 10#0 . "' +-* -"E + "#0#0 "* *+/4 -$+*(94+ 30 . "* . +-' " -0#('" . 0* 940 5 '0)"+* 2"' . +* . "' ,#" +**"#<

; * > 2

* : * 2

#

5 " 3 @ @" DZ

* ! < $$ 26

< *

#(0-4+1 +;+11"' 20 130 '" . ,"G 4 . 0 ; *

* + +G 4 . 0 *

$0 ";#0*(2 G *+4 ; "/#0,1 "(,+10 30*1 ** . 0 +#42 /0"' '" . 94+ "#0 . +*'# ,$0*(+8'+2+ . . 4 1"' 0* 94+ F0 , ,**4 0#0"* -"' . +* . "' /+-+#"

"' 2 *'4#*"' ,#" +# 2"' ,+1"' *+'#+$0# "' 20 '02+ . 0 +01 20* ' +- ' 0* 2+ *;"0(-0 *+**0"' 2+ I I 2+ 0-+ #"' 2+ AC>7(+-'"-1#0 *+ 0 *+ /4 -$+ -2 '0/0"< / 5 %

* ;

, , B * 6

$ -

"# +*$0 "''0* 0"' -"10#+ 94+ -"' . +* . "' 2 *'4#*"' *+ 2a10#0 94+ 4 % **

*$+ +*'# ,1"' -4-'0 " ,4;1 '02"E + 0 01/4+ . (2+ ;" . F4 G"("43 2 G+# 94+ -0"(,0#0 *+ 10*$. 0# 0 0110 20 . ,#+**0"' 2+ $01 $#0;01:"

0-4+1 +;+11"' 20 130(20 '"-/#+/0/0"' 20 +#'+ #0 #2+ .

?

% 3 +

;

#@0 ,0 1 B# 1 " 1 #&1 #&* $, 0

" * 5 % *

%

N +* +, 0 1 .&# #&)#& " & $&* $) & +,# #&&0+,#& + , 1 AS "0& *, &

, % 78D:

3 4

20 +- $+-' 0(" 2 *' ,41 2 '+1+;#+ 0#0; *$0 # "0 2+ "4*0(+ ,"# '+#$ 94+ #00 * 0,#"3+ $"4 '" . -* - 25094+ 1+ +8 . . +*$#+(2 9401 " *4''+**"# -0 #+*,+'$ 30 0410

"# +*,0' 2+ -"3+ 0--"* #+* 2 4 -0 # '0(#+/#+**0-2" 0 "#$4R /01 - 0--" 2+ AC?D

4#0-$+ 0 *40 +*$020 -0 # '0 B+ . 0-/+#(-0 '0*0 2" '"-*41 ,"#$4/4+G $#0$"4 2+ -*$#4 # *+ -"* 4*"* + '"*$4 . +* 2"* ,"3"* + '"#$+ 2" #0,+# " 2+ 0##"''"*(+ 2+ 0,#+-2+# 0 0110#(+*' +3+# + ,#0$ '0# 0 1 -/40 0#0; '0 " 94+ ': +/"4 0 '"-*+/4 #($"#-0-2" *+ " . 0 * -* /-+ 0#0R ; *$0 2" *+4 $+. ,"

+ +#+ *+ 2+ # (0-4+1 +;+11" 20 130 4#- 0'$"(94+ +#0 3+#202+ 0;"-0 " '#+2 $" 9 + 1 -:0 -" '"-'+ $" 2" . ,+#02"# 2+ 0##"'"* + *"13+#0 +*1+ . 0-20## F4*1 '0# " *+4 . - *1#" 2 ":0.+2 010. (+ . '"-*+94+-' 0 2+ +-#+2"* '"-3 94+ " :03 0. . 0194 *$02" '". " "* *" ;+#0-"(+ 0'0*" + $" '"-* 2+#0# '". " 2+*1+01 + $#0 2"# 2+*/#0 02" . - *$#" K2 *,"-2" *+ ,0#0 . "##+#(':0."4 ",02#+ +;+11"('"#0.4- '"4 1:+ 0 0$01 #+*"14)0"(+ '"- 1"4 1:+ " *+4 $:+*"4#" +. 2 -:+ #" + ,+2#0* ,#+' "*0*(,0#0 " +-1#+/0# 0 *40 . 41:+# 940-2" +110(2+," * 2+ 3 430(:5" ,+'1 **+ ?' ,02#+ +;+11" #+'+;+-2" " ;+*"4#" '"-)2+-' 01(,0**"4 ,0#0 1"/" 0 10-/0# ,"# *40 1+$1#0 4#00 #+,#+*+-$0/0" 0" . ,+#02"#(+. -". + 2+ $"2"* "* '"-*"1+* +4#",+-*(+8'+,'0" 2" +-#+202"#(0 9401 $"2"* 04$:+-1 '0#0. '". "* *+11"* 2"* *+4* #+*,+'$ 3"* '"-*-102"*(0;"-0-2" " . - *$#" + 2+*. 0-':0-2" " $#0. 0 +-2+ #+/"4(01+. 25 **"(4. 0 #+,#+*+-$0/0" +*,+' 01 2" -"**" '"-*41 0" #0 ,+#02"#(,0#0 " .+*. " . ,+#02"# -0" *" '"-*+#3"4 0 3 20 0" *+4 . - *$#"(. 0* :+ 0'#+*'+-1"4 0 *40 '"- 0-/0 + 0. G02+(+-'0##+ /0-2" " 2+ * /- '0# 0"* '"-*"1+* " '0*" 94+ G+#0 20* *40* #+,#+ *+-$0/"+*(+ 20-2" :+ "* ,"2+#+* ,0#0 *+# +11+ " 94+ .0-20**+ *0 # 2"* +*$02"* .0##994 -"*(+. 3 -$+ + 940$#" ;"#0*(" +-3 02" +. ;#4 :02"# Z H

+ *# *0 "# 5 + 0+%#) #B#)) + "0)20 2#@0 0)#=1 " & &%B&& " & '%#@0 0$ +,01 & 1 0,6 + +&#) + +0 % < + , 1 7M $06 7<9 0 7<: * # 3 * "# ++ *#+* + 0+* &* "0)20 , 1 ($06 : L

4-*ˢ +ˢ "4$#"*(ˢ $0-$0ˢ 14Gˢ $+#-ˢ 2+##0 . 02"(ˢ +ˢ $0ⁿˢ ,#+' "*0*ˢ 2+*'";+#$0*ˢ $++ .ˢ
'"-94 *$02ⁿˢ -ⁿˢ '0 . ,ⁿˢ 20ˢ 0#':+"1"/ 0ˢ ; ;1 '0

0 *$+# 1 202+ˢ +ˢ -41 1 202+ˢ 94+ˢ F0 . 0 *ˢ *+ˢ 20# 0 .ˢ *+(ˢ 094+110*ˢ 240*ˢ
1 -/00*ˢ "**+ .ˢ +*$42020*ˢ '" . ⁿˢ ,0#$+ˢ -1+/#0-$+ˢ 2+ˢ 4 . 0ˢ 0'41202+ˢ 2+ˢ
1+$$#0*(ˢ "-2+ˢ *+ˢ +*$420**+(ˢ '" .ˢ ⁿˢ *0-*a# $ⁿˢ 3+2 '"(ˢ +ˢ '10** 'ⁿˢ 0ˢ /#0 . . 0ˢ
$ '0ˢ '" . ,0#020(ˢ +*,+' 01 . +-$+ˢ 20*ˢ 1 -/40*ˢ #"- 0-0*(ˢ 0;*"1410 . +-$+ˢ -ˢ
2 *,+-*03+1ˢ +-1#+ˢ -"*ˢ +ˢ 2+ˢ -+'+** 202+ˢ 4#/+-1+

0 *$+# 1 202+ˢ +ˢ -4$ 1 202+(ˢ ,"#+ .(ˢ 94+ˢ :0ˢ 2+ˢ ':+/0#ˢ 0ⁿˢ +*$42ⁿˢ
2ⁿˢ /#+/ⁿˢ +ˢ 20ˢ 10$ - 2 2+(ˢ *+ˢ 0*ˢ '02+ #0*ˢ 25+*10*ˢ 2 *' ,1 -0*ˢ ,+# . 0-+'+ˢ
#+ .ˢ -"*ˢ 1N'+4*ˢ +ˢ "#+ .ˢ #+/ 20*ˢ *+ .ˢ '"-;+' . +-$ⁿˢ 2ⁿˢ . +$:"2ⁿˢ *' +-$ ˢ
'"(ˢ : *$"# '" '" . ,0#01 3"

ⁿˢ '"-'+ 1ⁿˢ 2ⁿˢ *#ˢ ;#+ (ˢ ⁿˢ +*$0;+1+' . +-1ⁿˢ 20ˢ '02+ #0ˢ 2+ˢ *0-ˢ
*a# $ⁿˢ +ˢ ⁿˢ ,# #0+ #ⁿˢ ,0**ⁿˢ ,0#0ˢ 0ˢ *01 * 0/0ⁿˢ 4#/+-$ ** . 0 2+ˢ /#0-2+*ˢ -+ˢ
'+** 202+*ˢ -$+11+'$40+*(ˢ '4F0ˢ -11 +-' 0ˢ -"' 30ˢ '"-'"##+ˢ ,0#0ˢ ⁿˢ +*$02ⁿˢ
0-0#': +ⁿˢ 2"*ˢ +*, # $"*ˢ +# 0ˢ $0 . ;+ .ˢ '" . ⁿˢ #+*41102ⁿˢ ,#0$ 'ⁿˢ . . +2 0$ⁿˢ
ˢ . +1:"#0 . +-$ⁿˢ 2"*ˢ . +$:"2"*ˢ 2+ˢ +-* -ⁿˢ 2ⁿˢ /#+/"(ˢ 2ⁿˢ 101 .ˢ +ˢ 2ⁿˢ 01ˢ
1+#00"(ˢ *+ˢ ⁿˢ /"3+#-ⁿˢ +8 / **+ˢ 0ˢ #+94+-' 0ˢ "4ˢ +*$42ⁿˢ 20*ˢ 2 *' ,1 -0*ˢ 20ˢ
,#+2 $0ˢ '02+ #0ˢ 0ˢ 94+#-ˢ 2ⁿˢ 4$4#ⁿˢ *+ˢ 2+*$ -0**+ˢ 0ⁿˢ ,#" +**"#02ⁿˢ 25+*$0*ˢ
1 -/40*

0#+'+4 -"*ˢ 2+ˢ $"20ˢ 0ˢ #0G0ⁿˢ 0,"-10#ˢ ⁿˢ -"3ⁿˢ 0*,+'$ⁿˢ 2ⁿˢ +-* -ⁿˢ 2ⁿˢ
0#0;+ˢ +ˢ 2ⁿˢ :+;#0 'ⁿˢ 0,#+*+-$02ⁿˢ ,+1"‖ˢ *#ˢ 4 1:+# . +ˢ 4/4*$ⁿˢ 2+ˢ !0*ˢ
'"-'+11"*ˢ ;#+4(ˢ ;+ .ˢ '" . ⁿˢ 2ⁿˢ 94+ˢ ,"-2+#0ˢ 0ˢ #+*,+ $ⁿˢ 2ⁿˢ /#+/"(ˢ 10ˢ
$ -(ˢ +ˢ 011+ . 0"(ˢ +ˢ '" . ,+$+-$+ˢ ,#" +**"#02ⁿˢ -ⁿˢ 4$4#"Z

0*ˢ ""-3+ .ˢ -0ⁿˢ 2+ 80#ˢ +*94+' 2ⁿˢ "4$#ⁿˢ 0*,+'$ⁿˢ 20ˢ . +*$0"(ˢ 2+ˢ
*4 . . ⁿˢ -$+#+**+ˢ +ˢ /#03 202+

-20ˢ "*ˢ 94+ˢ #+'"-:+'+ .ˢ 0ˢ . ,"#$0-' 0ˢ *' +-1)'0ˢ 2ⁿˢ *0-*a# $"(ˢ
. +* . ⁿˢ '" .ˢ #+10/0ⁿˢ 0ˢ ,"#$4/4+G+*(ˢ 94+#+# 0 .ˢ 94+ˢ *+ˢ 2+**+ˢ 0ˢ ,# "# 202+ˢ
0ⁿˢ +*$42ⁿˢ 20*ˢ 1 -/40*ˢ #"#00- '0*(ˢ 0*ˢ 940+*ˢ ,+#$+# '+ˢ 0ˢ 1 -/40ˢ ,"#14/4+G0(ˢ
'" . ⁿˢ *+-2"(ˢ ⁿˢ . 0 *ˢ . . +2 0$0 . +-$+ˢ 4$ 1

K #+0#ˢ 4 . 0ˢ '02+ #0ˢ 2+ˢ *0-*a# $ⁿˢ 'ˢ +*94+'+#ˢ 0ˢ '02+ #0ˢ 2+ˢ 1 -R
/40*ˢ #" . 0- '0*ˢ -54 .ˢ ,0 Gˢ "-2+ˢ *+ˢ 0110ˢ 4 . 0ˢ 25+*$0*ˢ 1 -/40*(ˢ +ˢ 20# -"*ˢ
ˢ *4,+# 14ⁿˢ +ˢ /40#20#ˢ ⁿˢ -2 *,+-*03+1ˢ ˢ 1 -/40ˢ . 0+ˢ 2ⁿˢ ,"#$4/-+Gˢ +ˢ ⁿˢ
ˢ ⁿˢ :+*,0-:"1(ˢ ⁿˢ #0-'+G(ˢ ⁿˢ ,#"3+-/01(ˢ $01 0-"(ˢ #+-- 'ⁿˢ +ˢ 102 -ⁿˢ
B-" . +ˢ '"11+'$ 3+ˢ 2"*ˢ 2 01+'$"*ˢ 01, -"*ˢ *0ⁿˢ ˢ 2ⁿˢ ,"#$4/4+Gˢ +ˢ 1:"*ˢ
20ˢ . +* . 0ˢ . 0+ˢ ˢ ,#" +**"#ˢ 20ˢ '02+ #0ˢ 20*ˢ 1 -/40*ˢ #" . 0- '0*ˢ $+#0ˢ 2+ˢ
#0$0#ˢ $"20*ˢ +**0*ˢ 1 -/40*ˢ 94+ˢ *+ˢ 0;#+#0ˢ '" .ˢ 0ˢ . +* . 0ˢ ':03+<ˢ ˢ 2

7 #@0ˢ + ˢ # ˢ ˢ ; ˢ +% 1 ˢ N7Dˢ "#ˢ N7ˢ "#ˢ &#,#1 B ˢ "#ˢ 7899ˢ ˢ "#.ˢ
* #, ˢ $)0 0ˢ #ˢ 55 * ˢ '%#ˢ " H#1ˢ #&$# , ˢ 0ˢ #&$#* 0) "0"#ˢ "#ˢ '?=#ˢ 0,01 &

' * ' ' ' '#+020' ,"# +G' 01$0' 0"*' "1:"*' 2+' $"2"*' 0' 4$ 1 202+' . . +2 010(' 0' -+'+** 202+' -*$0-1+' 2"' '*142"' 2:+**0' /#0 . . 01 '0 J . 0' 4- '0' ':03+' 0;#+ -"*' "*' $:+*"4#"*' 2+' $"20*' 0*' 1 1$+#014#0*' 2"' + " 0' 20' #",0(' 2:094+110*' 1 1$+#014#0*' 94+' . 0 "# - 14+-' 0' +8+#'+#0 .' *";#+' 0' ,"#$4/4+G0(' *";#+' 142"' 20*' *40*' "# /+-*' з ' *0-*a# $"' -0"' -"*' 22' -+-:4 .' +1+ . +-$"' ' ,0#0' "' '"-:+' ' . +-$"' 20*' #+10'"+*' 20' 1 -/40' +' 1 11+#014#0' ,"#$4/4+G0(' '" .' 0*' 1 -/40*' +' 1 $$+#0 4#0*' 20*' "4$#0*Z-0/"+*' #" . 0- '0*' ' *0-*a# $"' $+#-' . ,"#$0-' 0' ,0#0' "' +*$42"' * ' 20*' #+10'"+*' +-1#+' 0*' 1 -/401' -+" 101 -0*' "4' #" ' . 0-#'0*' +' 0*' 1 -/40*< ' BO11+ . 0"(-/1 G(2 -0#00#94+G(*4+'"(:"110-2+G(+$' E' ' B#4**"' ,"10'"(G':'94+ E' +' ' B#+*1"*' 2 0' 1+'1 '0+*(f1 -/40' 2"' 01+*(+$' (,"#94+' "' *0-*a# $"' +' 0' "# /+#0' 2:+*$0*' 41$. 0*' *$+*' $#+*1411 . "*' /#4,"*' +*10;' ,0#0' - * . 4 $"' . +-"*' ,#"8 ' . "*' 94+' "' /#4,"' 20*' 1 -/40*' #" . 0- '0*' /#4,"' + .' 94+' +-1#0' 0' -"**0' 1 -/40E' +*10*' *0"' # . 1 * 20' ,"#$4/4+G0(' 094+110*' * ' ,# . 0*' '" # . 0*Z H

-$+*' 2+' *+#+ .' ,4;1 '020*' 0*' ,#+'+2+-$+*' ,"-2+#0'"+*($ -:0 *+' /"3+#-"' 202"' ,#+**0' + .' ,+2 # 0"' ,0#10 . '-1"' 4 .' ' ' ' ,+10' '#+0)0"' . +-"*' 1+/01' 20' '02+ #0' 2+' *0-*a# $"' ' ,#+0 . ;41"' 20' ,#" ' ,"*$0(-"' 9401' *+' ,#+1+-2 0' F4*1 '0# 0' ,#"3 2+-' 0' $" . 020' ,+1"' /"3+#-"('"-$+ .' '"-* 2+#0'" *(94+' *0"' 4 .' 0,#"3+ 103+1' +1+ . +-$"' 2+' +*$42"' -0' . 0$+# 0' *4F+ $0E' +' ,"# **"' +' 2+3+# -"**"' #+/ *$01 0*' 094 <

K "' #+10$"# "' 94+' ,#+'+2+' "' 2+'#+$"' 2+' AD' 2+' *+$+ . ;#"' 2"' 0--"' ,#"8 . "' ,0**02"(+' -"*' 2"'4 . +-$"*' 94+' "#0 .' ,4;1 '02"*' '" .' "' . +* . "' 2+'#+$"' -"' # ' ' ; ' - U IA>(2+' IA' 2"' 2 $"' . +G(94+' 30+' 0, ,+-*"(+-'"-$#0 . *+' "*' ,# -' ,0+*' ."$ 3"*' 94+' ,+*0#0 .' -"' 0- . "' 2"' /"3+#-"' ,0#0(-"' -$+#3011"' 94+' . +2 "4' +-$#+' 0' 0-$+# "# +' 0' 0'$401' *+**0"' 1+/ *10$ 30(+*$0;+$+'+# 4 .' '4#*"' ,#"3 *"# "' 2+' 1 -/40' +' $ $$+#0' $4#0' *0-*a# $0' 3+21'0' +' '10** '0' F4-$"' 2"' 4#*"' 4 ,+# "# 2+' +$$#0*

0 +'"-:+' 20' 0 -+'+** 202+' +' '"-3+- +-' 0' 2+' *+' -$#"24G # -"' +-Z * -"' -0' "-01' "' +*$42"' 2+' , : 1"1"/ 0' "# +-$01(,# -' ,01 . +-$+' 2"' *0-P' *a# $"' N+2 '"' +' '10** '"(;0*+' +**+-' 01' 2"' '"-:+' . +-$"' 20*' 1 -/40*' 0# ' '0*(5' 20' ' 3 1 *0/0"' 2"*' ,"3"*' 94+' 0110#0 .' +**0*' 1 -/40*E' +' $+-2"' #+' '"1: 2"' 0' "#$4/01' "' ;0':0#+1' + -' . 0$:+ . 0 '0' 4 1:+# . +' 4/4*$"' 2+' 0*'"-'+11"*' ;#+ (2+," *' 2+' :03+#' '"-'14 2"' "*' +*$ 2"*' 94+(+#0' ,"#Z $0# 0' 2+' A6' 2+' . 0 "' 2+' ACVD("#0' +-'0##+/02"' 2+' *+/4 # -0' 11+#00' -:0' +' -0' #0-'0' '" .' ,#" +**"#+*' 20' +*,+' 01 202+E' 2" *' '0 . -;"*

7 ' ' ' ' ' ' : ' * ' ' ' ' '

' "# 5#2# # ' "# ACVC

+ 0;# 0 . 2 0-$+ 2"* . - *$#" ,0#0 *+ ' :+/0# 0" $+# . " 2+*+F02"("4 2+'#+$0# 2+*2+ 1"/" 4 . ' '4#*" ,#"3 *"# " 2509 4+110* 2 *' ,1 -0*("4 +* , +#0#(,0#0 0 *40Z 2+ - $ 30 "#/0- *0'0"(,+1" 3"1" 2"* '"#, "]' 1+/ *10 $ 3"*

$ ' ,# . + #" '0 . - :" +#0 . +-"* #+/410#(. 0* #+01 . +-1+ . 0 * 30- $0F"*" 0-:030 *+ 4 . ' 0--"(,+1" . +-"*(-" '-* -" 2+ . 0$+# 0*('4F0 4$ 1 202+ "0" +1 ' $" :"F+' "-$+*$0#E 0,#"3+ 1030 *+ 0 :0; 1 $0/0" 20 ,+* *"0 94+(,"# '"-$0 2" +*102"(+ ' " . ' +1"/ " 2+ 2 *$ -'1"* ,#" +**"#+* 2+ 0# * + 4- ':(*+ 0,+# + /"0#0 -5+**0* . 0$+# 0*(+ 94+(*+ . ' - F4*$ /0(-0" 2+3+# 0 ';# ,# 302" + -1#+$0-1"(2+ 940194+# 3+-' . +-1"(0':0-2" *+ ,#" . ,$" ,0#0 " *+#3)"E +3 030 *+ " /#03+ -'"-3+- +-1+ 2+ *+ '#+0# '" . ' '0#0'1+# ,+# . 0-+-$+ 4 . 0 '02+ #0 2+ 2 *' ,1 -0* '" . Z ,1+10 . +-$+ -"30* +-1#+ -"*(+ 94+ ,"2+# 0 0'0*" 1"#-0# *+ 2+," * -41 1('" . " 0'"-1+'+#0 D '02+ #0 2+ 0#0;+ 2" 1N'+4 2+ *;"0(0 9401 " -+ '+**0# " *4, ,# #0 # ,"# 01$0 0;*"14$0 2+ 014 . -"*E +-*0 030 *+ " . "2" ,#0$ '" 2+ '"-:+'+# 0 14G 20 +8,+# +-' 0 0 . +1:"# "#/0- *0'0"(-" ,0 G(2" +*$42" 20* 1 -/40* "# +-$0+*(94+ -0" 2+3+# ' $013+G 1 . $0# *+ 0" *0-*a# $"E + ,#+,0#030#0 *+ -01 . +-$+("* +1+ . +-$"* ,0#0 4 . 0 #+ "# . 0 . 0 * '" . ,1+$+ 2" '4#*" *4,+# "# 2+ 1+$#0*("4 ,0#0 0 4-20/0" 2+ 0 '41202+* 2+ , : 1"*", : 0 + 1+$#0*(*+ . ' ,#+F4 G" 2+ 940194+# #+*" /0" 94+ :0F0 2+ $" . 0# 0 '0 . 0#0(*";#+ " ,#"F+'$" 2+ 1+ ' 94+ :+ " ' 0,#+ *+-$02" +#0 *+**0" 2+ 7 2+ . 0#/" 2+ ACV> ,+1" 114*$#+ 2+,4$02" ,"# " . ;01(' *# ' 2# -$"- " "*2 + 8+ #0

$ ' *+/4-2" '0 . - :" +#0 . 0 * #+/410# + '"-*"0-$+ D* ,#08+* '"- *$ 14' "-0+* ' . 0* '0#+' 0 2+ $"20* 0* 30-$0/+-* 94+ +#+' 0 " ,# . + #" " # **" ' /"3+#-" -0" ;+* $"4 + . ' *+/4 # +*$+(;+ . ' '+#$" 2+ 94+ 0 3"**0 114*$#0/0" + 0 . "# ,+1" ,#"/#+**" 20* *' +-' 0* + 20* 1+$$#0* " #+1+30# 0 . ' 20 #+*,"-*0; 1 202+ + . ' 94+ -'"## 0 Q

0" "#0 . ' 114*"# 0* 0* ,#"3 *"+* 2" /"3+#-"

" '4#*"(0;+#$" -" ,# -' , " 2+ -"3+ . ;#" 2" 0--" -2"(. 0$# '410#0 . *+ 2+G+-"3+ 014 . -"*(01/4-* 2"* 940+* ,"**4+ . ' *4,+# "#+* :0; 1 $0/"+* *' +-$ '0* + 1 $$+#0# 0* ' ,#" +**"# -" 2+*+ . ,+-:" 20* *40* ";# /0/"+* $+ . ' *0; 2" '0##+*,"-2+# 2 /-0 . +-$+ D '"-)0-/0 94+ -5+11+ "#0 2+,"* $020

* . "$ 3+* ,"# 94+ " ' '"11"'02" (" '4#*" ,#23 *"# "(2+ 94+ *+ $#0$0(F4-$" 2" '4#*" *4,+# "# 2+ 1+$$#0*(F4*$ '0 . *+ -0" *" ,"# *+# /+#01 . +-1+ #+'"-;+' 2" 94+ " . +$:"2" *' +-1 '" "4 : *$"# '"' . ,0 #0$ 3"(+ " 4- '" +' + 1 '0G -" +-* -" +' ,#",0/0/0" 20* 1 -/40* + ' 3 1 *0/"+* 94+ "# . 0#0 0 4- 202+ /1"$ '0 + +$:- '0 20* 0-1 /4 202+* '10** '0*(. 0* $0 . ;+ . ' ,"# +*$0# -'14 2" " *0-*a# $" -" 9402#" 2"* +*142"*

4,+# "#+' + .' 940*' $"20*' 0*' -0 "+*' 20' 4#",0' 0' 11+ . 0-;0'+' -/10' 1+##0' ,#" +**0 *+' "' *0-*a# $"' -0*' - - 3+#* 102+*' .' #0-'0'(-0' 0'4' 202+' 2+' 1+11#0*' 20' "#;"- -+'(-"' "11+/+' 2+' #0-'+' +' -0' +*'"10' ,#01 '0' 2+*' 04$+*' $42+*' 0' $01 0'(-0' +*'"10' *1 14 "' 2' 142' ,+# - '(2+' 1"#+-'0' 0' 1+*,0-1 0'(-0' 4- 3+#* 202+' 2+' 02# 2', "#' 2+'#+$"' 2+' #+' '+ $+' 20$0

. '(3 *$0'(," *' 20*' '"-* 2+#0/"'*' +8,"*10*' +' 2+' "-$#0*' 94+' 0' 1' . +-1+' *+# "' * ,,# 20*Z,+10' 3"**0' +*'10#+' 20' $+11 /+-' 0' +' ,#"302"' ,0$# "$ * . "'("' /"3+#-"' '"- 0' +' +*,+#0' 94+' . +#+'+# ' 0' 3"**0' 0,,#"30/0"' 0' *+/4 -$+

* ' '

#$ /"' AL' 0,,#"302"' "' 2+'#+$"' 2"' AD' 2+' *+$+ . ;#"' 2+' ACVV'(,+1"' 9401' "' ,#"3 *,# 0 . +-$+' +*$0;+1+' 2"' F4-$"' 2"' 4#*"' 4,+# "# 2+' +$$#0*' 4#-' '4#*,' 2+' 1 -/40' +' 1 11+#0$4#0' *0-*a# $0'(3+2 '0' +' '10** '0

#$ S' S' '#+1"302"' "' /"3+#-"' 20' #+*,"-*0; 1 202+' + .' 94+' -' #' #+4' ,+10' ,#" . 41/0/0"' 2"' ' $02"' 2+'#+$" Q

-:0' 0' 20$0' 2+' V' 2"' 0-+ #"' 2+' ACVC' +*$0' ,#",'*$0' 2+' 1+

0 *' 10#2+'(,"#+ . '(+ .' IV' 2+' . 0#/"' 2+' ACVC'(0,#+*+-$030' 4#-' *+-:"# 2+,4$02"' 4#-' ,#"F+'$"' 2+' 1+' ,0#0' 0' '#+0/0"'(-"' 4#*"' 4,+R # "# 2+' +$$#0*'(2+' ' ' < ' ' 2 * ' +' 2' * '

' 4-20 . +-$"' + .' 94+' 0**+-$030' +*$+' ,#"F+'$"' +#0 .' "*' *+/4 -' $+*<

'"-3+- +-$+' 0-/#0+-$0#' "' 9 02#"' 20*' 2 *' ,1 -0*' ,#" +**020*' -"' 4#*"' 4,+# "# 2+' +$$#0*'(+ .' ;0# . "- 0' '" .' 0*' +8 /+-' 0*' 2"' . "2+#-"' ,#"/#+**"' *' +-$ '"

+' ,"4'"' *+#3 # 0' 0' '#+0/0"' 2+' 4 . 0' '02+ #0' 2+' *0-*a# $"'(*+-0"' "**+' 0'" . ,0-;020' 2"' +-* -"' 20' 1 -/4 *$ '0' /+#01'(+*,+' 01 . +-$+' 20' 1 -' /4 *$ '0' 2 *

' ,"# 940-$"' "' 1 . $02"' -4 . +#"' 2+' -2 3 24"*' 94+' +-$#+' -"*' '" ' -;+'+' 0' *' +-' 0' 20' ,; 1"1"/ 0' '" . ,0#020'(-0"' ,+# . $1 0' 0' "# . 0/0"' 2"' F4#N' ,0#0' "'(+ + $"' 2+' *+#' ,#"3 20' 0' '02+ #0' ,"# '"-'4#*"'(,#",4-:0 *+' 94+' ' ,# . + #"' ,#"3 . +-$"' "**+' + $"' ,"X' -" . +0/0"' 2"' /"3+#-"'(*";' ,#","*$0' 2"' 4#*"' 4,+# "# 2+' +$$#0*'(#+'0 02"' + .' -2 3 24"' 2+(#+'" ' '"-;+' 20' 0,$ 20"' + .' ,; 1"1"/ 0

$0' ;#+3+' +8,"* /0"' 2+' 4-20 . +-$"' +#0' "' #+*4 . +' 2+' 4 . 0' 2+*+- ' 3"13 20' +' ;+ .' +10;"#020' #+,#+*+- 0/0"'(94+' 0"' ,0#10 . +-$"' :03 0 .' 1+' 302"' 01/4-*' 2"*' -"**"*' :" . +-*' 2+' 1+$$#0*'(#+,#+*+-10/0"' 94+' -$+*$+' #+,"* $"# "' 2+3+' +0# #+/ *$020' '" . "' +8'+ 1+-$+' . + "' 2+' +*'10#+' . +-$"' ,0#0' "' +*$42"' 20' +*,+' 01 202+' 94+' -"*' "''4,0<

' '3 . D

+ $- 0(+ -5+**+* ,0 G+* , ;1 '0 . *+ -4#0+#"*"* ,+#1"2 '"* +8'14* 30
. +-1+ 2+ 1a02"* . +* . 0 *' +-20

' * +* 2"* 1" . 0 - . 4 1" *+-* 3+1 0 10'4-0 9 + '" . #+*, + 1" 0
4 . 0 *' +-20 10" . ,"#10-$+(+ 10" '411 3020 -"* "4 #"* ,0 G+*(1 0 + . '"
-"**" PN*$+ . 0 2+ -*1#-'X0" , :1 '0(10'4-0 0,"-1020 F0 ,"# 1 *1#02"*
. + . ;#"* 2" ,0#10#-+-1" + 20 . ,#+-*0

K $-' 7 2+||; 0# " 2+ ACV>("* *# 2# -$"- - "*] + 8+ #0 ,#- , -:0
-0 '0 . 0#0 1+f *101 30 9 '#+0/0" 2" #+* '02+ #0* 2+1 -/4 *1 '0(4 . 0 20*
940+* 2+3 0 0G+# ,0#$+ 2" #*" 4 ,+# "# 2+ +11#0* + 0* "4$#0* 240*
2" 0'41202+* 2+ 1+11#0*(-" "#$" + ' . " . ;#0

K?' *# 2# 41 " 2" 1:+-0 "; *+#3"4 -0 -+* . 0 '0 . 0#0 + . ||| 2+
0-+ #" 2" '"##+-1+ 0--"(0 ,#","* 1" 20 '02+ #0 2+ *0-*a#11"(94+

* * . < -+'+*
* 202+ 20 '# 0/ " 25+*10 41$. 0 $" . * 2" #+'+-$+ . +-$+ ,"*10 + . #+1+3"
,+10 . ,#+-*0 ,+# "2 '0E ,"2+ . ' 10# *+ +-$#+ "4$#"* "* *+/4 $+* F"#
-0'*E # * 2+ I 2+ 2+G+ . ;#" 2+ ACVVE # 2
Ž 2+ I7 2+ +3+#+ #- 2+ ACVCE # " 2+ + I7 2+ 0R
-+ #" + I7 2+ +3+#+ #" 2+ ACVCE : * 2+ I6 2+ 0R
-+ #" 2+ ACVCE : 2+ I' 2" +3+#+ #" 2+ ACVCE 2
2+ 2+ +3+#+ #" 2+ ACVC * 2" * 411 . "* '"-*0/#0#0#0 794+*
$0" 0#1 /"* 2+ 4-2" . $" +81+-*"*

K + 1"2"* "* #0 . "* 20 /1" '0(094+11+ 2+ '4F" +-* -" :0 #00 * 4#
/+-$+ -+'+** 202+(" 94+ '" . ,#+:+-2+ 0 ; *1"# 0 + /#0 . 0 '0 '"#0
,0#020 2" 101 . + *+4* . "2+#-"* 2 01+'1"*(+-$#+ "* 9 0'* / #0 "
,"#14/4+G(" #0 -" 94" *+ 2+-" . -0 , ; 1"1"/ 0 # . 0- '0E *+ . + +11+ "*
+*$42"* 0' "-0+* '0#+'+ . 2+ ;0*+ *"1 20

K '#+0'0" 2+ 4 . 0 '02+ #0 2+ 2 * +
* * *+#> 0, ,1042 20 ,"# 1"2"* "* :" . +-* 2" *' +-' 0 2"
+*$#0-/+ #"(+ 0':0#0 . 4 10* *N . ,01: 0* -" ,0 G('" . " ,#"30#0 0* . 0
4 +*$0'"+* ' $020*

$ '/"3+#-" ,"#$4/4+G -020 $+#> 94+ 2+*,+-2+# ,0#0 :0; 1 10# ,#"R
+**"# ,0#0 +**0 '02+ #0 ' *' +-' 0 +*1#0-/+ #0(0 . 0 *' '" . ,"1+-$+
,0#0 F41/0# 20* 0, ,1 '0'"+* 2"* . +1:"2"0 ,"# +11+ '#+02"*(Z #+'"-:+'+
-54 . ' 1 -/4 *10 ,"#14/4+G(#0-' *'" 2"1, :" "+1;"(0 '" . ,+$+-' :
-+'+**0# 0 ,0#0 ,#" +**0# 094+110 2 *' ,1 -0E ,#"30 . -5" -4 . +#"*0* '0#R
$0* ,0#1 '410#+* + 0#1 /"* 2+ F"#-0+* *' +-1 '"*(+*'# ,$"* ,"# 1 -/4 *
10* #0-'+G+*(011+ . 0+*(101 0-"*(*'0-2 -03"* + 4#- #4**"(94/ "''4
,0 . ' 0* . 0 * +1+3020* ,"* "+* *' +-1 '0* -"* *+4* ,0 G+*(+ '4F0 *+
3+# 202+ '# 1 '0 -2 *'4$ 3+1

K 0" ,"2+ . (,"# 10-$"(-+ . ' 2+3+ . ' 4#-(/"3+#-" + 4 . ' ,0#10#0+-$"

4 . ' '4#*'" 2+' 1 - /40' +' 1 1$'#0$ #0' *0 - *a# 10(3+2 '0' +' '10** '0(+']' #+1+ ' 302'" ' /"3+#- '" ,+10' #+*,"-*0; 1 202+' + . ' 94+' - '"##+0' ,+10' ,#" . 41/0 ')0'' 2'" ' 0$1'" 2+'#+1"

#$' IZZ ' '#+020' -'" . +* . "' -*1 4'" 4 . 0' '02+ #0' 2+' , : 1"1"/ 0' '" . ,0#020' "4' *' +-' 0' 20' 1 - / 0/+ .

]' S' ', 5 . +1#'" ,#"3 . + -1'" 25+*10' '02+ #0' *+#> + $'" ,"#' -" . +0 ')0'' 2'" /"3+#-"(*";' ,#","*10' 2'" 4#*'" 4 ,+# "#' 2+' +11#0*(+ . ' -2 - ' 24'" 2+' #+'"-1 +' 20' 2 ,1 20'" -5+*10' *' +-' 0

]' I S' *' ,#" +**"#+*' 2‖+* 0' '02+ #0' +' 20' 2+' *0 - *a# 1'" $+#0'" "*' . +* ' . "*' 3+-' . +-$"*(:"-#0*' +' ,#+#"/01 30*' 2"*' " 1#"*' 1+-1+*' 2'" '4#*"

2) + ') 71)

' ,0/' 7?A' 2"' $" . "' N' $ 3+ . "*' "' '0* 0"' 2+' ," - 2+#0#(94+' "' . ,"#' $0 - $+' 0**4 . ,1"' 2"' +*142"' 2"' /#' /"(+' 0' : *1 - # 0' 2"' +* - 2"' 2"' - ' ; 2 ' +-$#+' - "*(*0"' #0102$$*' . 0/ *1#01 . + -1'' - '" +*'# ,$"' 2"' *#' #0 - ' *' '" - "- "' "2# /4+*' 2+' 4* . 0"(- $4102"< < * ' ' ' <

** . ' ' ,+ *0 . "*' 0 - 20' : "F+(+' . 4 ' /"*1"*0 . + -$+' "' '"- # . 0 . "*E '4 . ,# - 2" - "*' - '41'0# +**+' 301 "*"' *4 ;* 2 "' 0"*' 1+ 1"#+*' 94+' *+' -$+' #+**0#+ . ' ,"# +*10' +*,+' 01 202+

0#0' 0' : *1"# 0' 2"' ,+# "2"' 94+' "#0' - "*' "' '4 , 0(' - . ,#+' *0;+# 2+*2+' F7(94+' - "' 0 - - "' 2+' AC7' ' 0' 030 *+' 0' . ,#+**0"' 2"' - ' ; 2 2 ' -0' 1+11#0' Z' "# . 0 - 2"' - . ' 3"14 . +' 2+' #+ - -' +' - - 0' + ' - '"' "1 : 0*' . ,#+**0*

' -0' 3+#202+' -F *$ 11'03+1' 0' -2 #+#+ - /0' '" . ' 94+' "*' ,"2+#+*' ,4 ' ;1 '"*' *+' : - 43+#0 -' -‖+*1+' ,0#$ '410#0' ' #0;011 "' 2"' 2 ' ' "- 0# "' ,+# . 0 ' - +'+4' -$+## " . , 2"' 2+*2+' 094+ 1+' 0 - - "' 01 ' 0"' 2+' AC7W

5+*1+' 41$. "' 0 - - "' " ' '"- '+2 20' 0"' /#0 - 2+' : 4 . 0 - *$0(+' 2 *$ - '1"' : +11+ - *10(` "*+' '+-$+' " . +*' 2+' -4#0(0' *40' F ; 10'0"' '" . ' 0' '104R *410' 2+' '"-1 - -0# 0' . ,#+**0"' 2"' +8 '"- ' ?' *+#3 "' 94+' "' 114*1#+' 0 - ' 0"' ,#+*1"4' 0 - 20' ' ;# 11 0 - + . + -1+' 0** / -0102"' ,+1"' *#' 4* . 0"(- "*' *+/4 - +*' 1+# . "*<

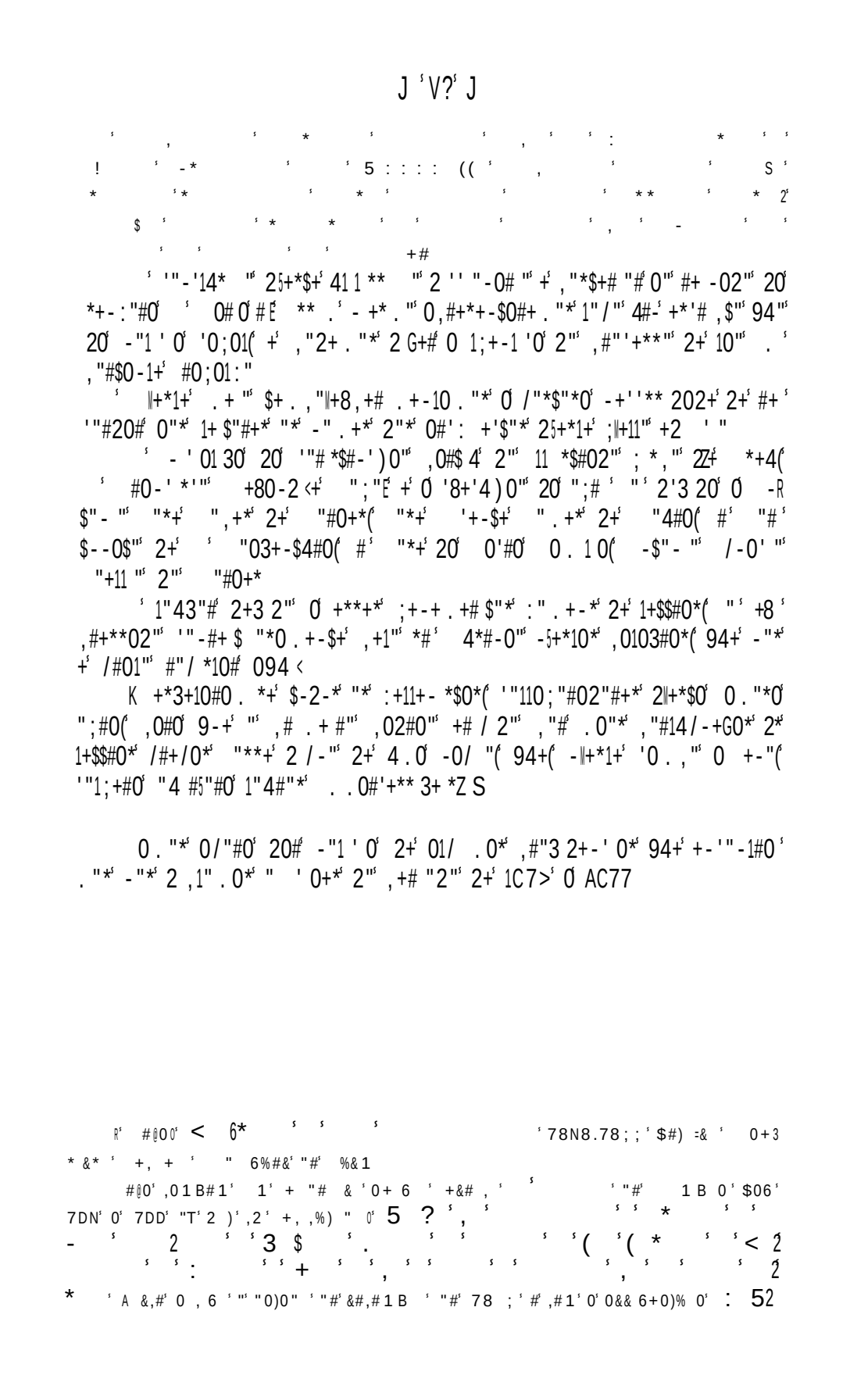
K +2 '" ' 0' +*$0' / -# "*0' + . ,#+*0' "*' #+*10 - 1+*' 2 0*' 20' 3 20(*0 ' '# '0 - 2" 1 ; +' :"-#0 ' +' -1+#+**+*E' +' ,+# . 11 4' 0' #"3 2+ - ' 0(9 +' -0"' *"' ':+/0**+' 0' . ,# . # 0' *++/0"' . 0 *' . ," 0 - 1+' 2"' - ' '"- 1 ' 14 - 2"' 4 . ' 3"14 . +' 2+' '+-$"' +' -"3+- 0' +' *+ *' "1 : 0*(+' . 1' '+-$"' +' -"3+-$0' +' 4 . 0' c 0/ -0*(. 0*' 94+' 0 - 20' ,"2+**+' F4 - $0# 1 : +' 4 . ' *4 ; R * 2 "' . ,"#$0 - 1 ** . "< J "= ' 0' 6' ' ,

J ˢV?ˢ J

ˢ , ˢ * ˢ ˢ , ˢ ˢ : * ˢ ˢ
! ˢ -* ˢ ˢ 5 : : : : ((ˢ , ˢ ˢ S ˢ
* ˢ* ˢ * ˢ ˢ ˢ ** ˢ * 2ˢ
$ ˢ ˢ * * ˢ ˢ ˢ ˢ , ˢ - ˢ ˢ
ˢ ˢ ˢ ˢ +#
ˢ '"-'14* "ˢ 25+*$+ˢ 41 1 ** "ˢ 2 '' "-0# "ˢ +ˢ ,"*$+# "#ˢ 0"ˢ #+ -02"ˢ 20ˢ
*+-:"#0ˢ ˢ 0# 0ˢ # Eˢ ** .ˢ - +* ."ˢ 0,#+*+-$0#+ ."*ˢ 1"/"ˢ 4#-ˢ +*'# ,$"ˢ 94"ˢ
20ˢ -"1 ' 0ˢ '0;01(+ˢ ,"2+ ."*ˢ 2 G+#ˢ 0 1;+-1 '0ˢ 2"ˢ ,#"'+**"ˢ 2+ˢ 10"ˢ . ˢ
,"#$0-1+ˢ #0;01:"
ˢ ‖+*1+ˢ . + "ˢ $+ . ,"‖+8,+# . +-10 ."*ˢ 0ˢ /"*$"*0ˢ -+''** 202+ˢ 2+ˢ #+ ˢ
'"#20#ˢ 0"*ˢ 1+ $"#+*ˢ "*ˢ -" . +*ˢ 2"*ˢ 0#': +'$"*ˢ 25+*1+ˢ ;‖+11"ˢ +2 ' "
ˢ - ' 01 30ˢ 20ˢ '"# *$#-')0"ˢ ,0#$ 4ˢ 2"ˢ 11 *$#02"ˢ ; *,"ˢ 2Z+ˢ *+4(ˢ
ˢ #0-' *'"ˢ +80-2 <+ˢ ";"Eˢ +ˢ 0ˢ '8+'4)0"ˢ 20ˢ ";# ˢ "ˢ 2'3 20ˢ 0ˢ -R
$"- "ˢ "*+ˢ ",+*ˢ 2+ˢ "#0+*("*+ˢ '+-$+ˢ " . +*ˢ 2+ˢ "4#0(#ˢ "#ˢ
$--0$"ˢ 2+ˢ ˢ "03+-$4#0(#ˢ "*+ˢ 20ˢ 0'#0ˢ 0 . 1 0(-$"- "ˢ /-0' "ˢ
"+11 "ˢ 2"ˢ "#0+*
ˢ 1"43"#ˢ 2+3 2"ˢ 0ˢ +**+*ˢ ;+-+ . +# $"*ˢ :" . +-*ˢ 2+ˢ 1+$$#0*("ˢ +8 ˢ
,#+**02"ˢ '"-#+ $ "*0 . +-$+ˢ ,+1"ˢ *#ˢ 4*#-0"ˢ -5+*10*ˢ ,0103#0*(94+ˢ -"*ˢ
+ˢ /#01"ˢ #"/ *10#ˢ 094 <
K +*3+10#0 . *+ˢ $-2-*ˢ "*ˢ :+11+- *$0*('"110;"#02"#+*ˢ 2‖+*$0ˢ 0 . "*0ˢ
";#0(,0#0ˢ 9-+ˢ "ˢ ,# . + #"ˢ ,02#0"ˢ +# / 2"ˢ ,"#ˢ . 0"*ˢ ,"#14/-+G0*ˢ 2*ˢ
1+$$#0*ˢ /#+/0*ˢ "**+ˢ 2 /-"ˢ 2+ˢ 4 . 0ˢ -0/ "(94+(-‖+*1+ˢ '0 . ,"ˢ 0 +-"(ˢ
'"1;+#0ˢ "4 #5"#0ˢ 1"4#"*ˢ . . 0#'+** 3+ *Z S

0 . "*ˢ 0/"#0ˢ 20#ˢ -"1 ' 0ˢ 2+ˢ 01/ . 0*ˢ ,#"3 2+-' 0*ˢ 94+ˢ +-'"-1#0 ˢ
. "*ˢ -"*ˢ 2 ,1" . 0*ˢ " ' 0+*ˢ 2"ˢ ,+# "2"ˢ 2+ˢ 1C7>ˢ 0ˢ AC77

Rˢ #@0 0ˢ < 6* ˢ ˢ ˢ ˢ 78N8.78;;ˢ $#) =& ˢ 0+3
* &* ˢ +, + ˢ " 6%#&ˢ "#ˢ %&1
#@0ˢ ,01B#1ˢ 1ˢ + "# & ˢ 0+ 6 ˢ +&# , ˢ ˢ ˢ "#ˢ 1 B 0ˢ $06ˢ
7DNˢ 0ˢ 7DDˢ "Tˢ 2)ˢ ,2ˢ +, ,%) " 0ˢ 5 ? ˢ , ˢ ˢ ˢ * ˢ ˢ
- ˢ 2 ˢ ˢ 3 $ ˢ . ˢ ˢ ˢ ˢ (ˢ (* ˢ ˢ < 2ˢ
ˢ ˢ : ˢ ˢ + ˢ ˢ , ˢ ˢ ˢ ˢ ˢ , ˢ ˢ ˢ 2ˢ
* ˢ A &,#ˢ 0 , 6 ˢ "ˢ "0)0" ˢ "#ˢ &#,#1 B ˢ "#ˢ 78 ;ˢ #ˢ ,#1ˢ 0ˢ 0&& 6+0)% 0ˢ : 52



?' 2+'#+1" 2+' I>' 2+' "414;#"' *4,,# . 4(' 0$+' >' #+ +#.0' /+#01' 20' -' *$#-''0"' ,4;1 '0(' 0' 02+ #0' 2+' 1 -/40||/#+/0' +*10;+1+' 20' -0' ' 202+' 2"' "#$"(' + ' '"-*+94+-+ 0' 2+' *+' 1"#-0# + 10"' 41 1(',"# -0"' '"-''##+#' 2 *' ,41"' 01/4#0' 0"(+-* -"' 25094+110' 2 *' \ 1 "0

?' 2+'#+1"' 2+' AV' 2+' -"3+ . ;#"' 2 *,"G' -"' 0#1 /"' >7 S' 94+' "' 1N'+ ' 2+' " . ;#0' *4;*1 14 # 0' "' "11+/ "' 20*' #1+*(' +' "# . 0# 0' 4 . 0' *+' 0"' 20' - 3+#* 202+

"' 0#1 /"' >> S' 2 *,"G' 94+' -"*' 1N'+4*' 2+' ' ' +' : ' :"43+**||+' '02+ #0*' 2+' 1 -/40' /#+/0

' -01 . +-$"' -"' 0#1 /"' >7 S' 2 *,"G' 9-+' '0 **+ .' +81 - '10*' 0*' '02+ R #0*' 2+' /#+/"' 2' ,#","#' 0"' 94+' *+' "**+ .' +*10;+1+'+-2"' "*' 2+ . 0 *' 1N'+4*(' +8'+,140-2"(',"#6 .(' 2||+*10' +81 -#/0"' 0*' '02+ #0*' 94+' +*1 3+**+-' -'"#' ,"#020*' + .' +*10;+1+' . +-1"*' +' -*1 141"*' +*,+' 0+*' 94+' -0"' '0**+ .' +81 - '1"*

?' 2+'#+1"' 2+' D' 2+' 2+G+ . ;#"' 2 *,4-:0' -"' 0#1 /"' W> S' "' *+/4 -1+< ' 1 -/40' /#+/0' '"-1 -40#2' 0' *+#' ,#+,0#0$"#"' ,0#0' 0*' *' +-' 0*' -0$4#0+*(' -0' 2#. 0' 2"*' +* 0141"*E' *+#2(',"#+ .(' *42 ' +-1+' 94+' "*' 014#0' -"*' 2++ .' '"-$0' 2||+*1"' +80 . +' 01+' 0-' .' 2"' *"4' '4#*"#' ,0#0',"2+#+ .' ";$+#' 0*' '0#10*' + .' $1 +-1"/ 0(' 2+3+' 0"' "*' +*$ h10-1+*' 0G+#' "*' +80 . +*' 2+' /#+/"(' +' 2+' ;+;#- '"' 0-$+*' 20' . 0$# '410' -"' >S' 0--"(' +' ,"2+#0"' $"20' 3 0' *+-F' +11+*' "; +#' "' /#04' 2"' ;0';-#+1

"#' ; *+#3"4 *+' 9-+' +*10' ,+#. **0"' "''0* "-0#0' "' -'"-3+- +-$+' 2+' :03+#+. ' "*' +*1 20- +*' #+*+#302"' ,0#0' "' .' 2"' '4#*"' 20*' 0'4120' 2+*' ' +80 . +' 2+' /#+/"(' +. ,#+/0-2"' +-10"' "' +*142"' . 0 *' *4,+# ' 01' -5+*10' 1 -/40

' +*142"' 2"' /#+/"' -"' . 2"' '4#*"' $ 0*' *' +-' 0*' -01"#0+*' 2+' -020' *+#3+' 0"*' +*1420-1+*(' -+ .' 0** .' , 2"' *+#' 5'-* 2'#02"' '". "' * * 2' ' ,- * 94+' -0"' ,#+,0#0(' -+ .' *+#3+' 2+' 1 1 202+' 01/$. 0' ' . +2 '"(' ,"# +8+. , "(' * ' ' ' ' ' ' ' ' ' ' ' * ' -"' .' 2"' '4#*"' F2' -0"' "*' 0,#+-2+' ,; 1"*"' ' ,1 '0 . +-1+' ,"# . + "' 2+' 4-' +* 2"' . 4 1"' #0F 2"

' +*142"' 20' 1 -/40' /#+/0' +' 4$1' 0' 1"2"' "' +*1420-1+(' *+F0' 9401' "# 0' 2 *' ,1 -0(' 0' 94+' *+' 2+2 '0#(' *+F0' 9401' "# 0' 0'41202+' 94+' ,#+1+-20

3 6 3

'4#*"#E ,"# '04*O 20* +$N . " -/ 0* 20* --4 . +#03+ * ,0103#0* /#+/0*(02",$020* + . $"20* 0* 2 *' ,1 -0* (+#- 1"20* 0* *' +-' 0* Z

O ,#-,"* 1" 3+-O '"-* 2+#0# " +*142" 2 1 -/40 /#+/0 '" . #+10 0" O ,"#14/4+GO "; #+ +*$O +*,+' 01 202+ 3+#0" "* 1+ $"#+* . 4 1" ,#" 3+ $"*0 . +-1+ 4- +*'# ,1" 2" *# #0-' *'" -$"- " "2# /4+* 2+ 4* . 0"(-$ 14102"< /

* * O* + +

+#42 1" 0-'1"# OG *+-$ # 94+ "* -"**"* +*'# ,$"#+* 2+ . 0 * '41$" + +81#+ . 02" 2 G+# +#0#O 10 . ;+ . '"-*4 . 02"* -O +#42 /0" 20* 1+11#0* /#+/0*(+ O '020 ,0**" " . "*$#030 . -O +1+/0-' O 2" +*1N1"(-" 1+' 2" + '"-*1- '/0" 2"* 2 *'-#*"*(+ -2* $+# . "* 94+ ,"# 3+G+* 02",10#-

0 . ;+ . "; *+#30 94+ + 034 02" " -4 . +#" 2+ $+# . "* /#+/"* ,#" --2"* 20 ,# . $ 30 1 $ /40/+#O 2"* 14* $0-"*(+ 2"* ,"*$+# "##0+-$+ 02" ,102"*("4 2+# 302"*

" 94+ $"'O ' 1 -/40 10$ -0(2+ ,0**0/+ . "; *+#30#+ . "* 94" " 04 '$"# 2 G . 4 1" '--'+ "*0 . +-$+< K + . +#O , : 1"*-,1 '" *+ 0#0# " '* $42" 2+ 240* 1 -/40* &* ' 1 /020* ,"# $0" 4$. " ,0 #+-$+*'"('" . " 2" 2+ . 0+ + 11 0 3

' '

Y ?' 2+'#+$" '" . " "#/O 2+ 1+ 2+ I?' 2+ *+1+ . ;#"(-" 0#1 /" >C U(. 0-2"4 94+ ;"43+**+ '02+ #O 20 1 -/40 /#+/0 -"* 1N'+4* 2+ : 3 +8

+2 /0" ,"#$4/-+GO 2" - ; 2 + $O -O . ,#+-*O 20 - 3+#* 202+(2+ 10 . 0-:O $#0-*'2-2+-' 0(+ O $0 ,"-$" 0;"-O O +#42 /0" ,"#$4/4+GO + . . 0$+# O 2+ :+11+- * . -(J 94 $+ . "* ,"# -2 * ,+-*08+1 2+ 80# +80#020 -5+*1+ '0, 141" O " +*'# ,10 ,+1" *# -R $"- " /-0' " "+1:" 2+ "#0+*(,#" +**"# 2+ /#+/" F4; 102" 2" N'+4 02"-01 2+ " . ;#0 5+**O " +10;"#020 ,"# ,+**"O 2+ $"2;" ," -1" '" . ,+$+,$+(*0" #+10$02"* "* 0'1"* '" . O . 0 "# ,#+'F*0"('" . " #'94+# O 041:+-1 + 202+ 20 : *1"# O 1 11+#0# 0(+ . 0**4 . ,1" 94+ $0-$" -1+#+**O 1 -/4 *1 '0(-0" . +-"* 94+ 0" '#+2 1" 2" -" . + ,"#$4/4+G

5 9 1 B 0 1 $ +&O

"O ?+ 2# & "0"# 78B)

&B 0 1 $ #+&O)2 0+0 78B

J V7 J

* 094 0 #+ +# 20 " $0 '" . " 0 +-'"-1#0#0"* -" F"#-01 /
: -4 . 7AIC(2+ IA 2+F41:" 2+ ACVV( )#. 020 '" . 0 0* *
/-014#0 2+ 2+

" * * _ ; 2 * *
< : 8 8(ACIW ACV7

"-*10(9 +F2 -, *+'41" 83 4(-" #+ -02" 25+1 #+ (" *# "*+
(,#" +**"# 2+ /#+/" 2+ *;"0(4*1"2 " "* 25 1 3+ #0("#0 +-
'0##+/02" 2+ '", ,"# 4#-1+8 '"- /#+/" 10$ -" ,0#0 4*" 20* +*'"10* 2"
#+ -" 2+ "#$4/01(#+';+-2" ,"# +*$+ $#0;01:" - . 0 /#0$ '0/0" 0-R
-401 2+ = " #+ *E - " '"-*10 ,"#+ . (94+ " 2 1" ,#" +**"# 0,#+
*+- 0**+ + . $+ . ,"(01/4 . # '1" 2" *+4 $#0;01:"E +0** . "#0 . '"#
#+-2" "* 0--"* 0 " 2+ ACIW

" 0--" 2+ ACIW " -" . +02" #' "#. 02"# 2"* +*$42"* + . "#R
$4/01 0-' *'" 1+80-2#+ ";"(; *," 2+ *+4 *$+(1" . 0-2" 0
,+ 1" #+ "#. +# 0* 2 *' ,1 -0* ,#+,0#01"# 0* ,0#0 0 - 3+#* 202+(+-
$#0-2" 10 . ;+ . " +*$42" 20 1 -/40 ,"#$4/4+G0(-" . +"4 4 . 0 '" .
. **0" '" . ,"*10 2"* 2"4 "#+* -$"- " "*+ P,+* 2+ "#0+*(
1+-1+ 20 '02+ #0 2+ 8+/+1 '0 2" "3" +*$0 . +-1" -0 - 3+#* 202+(+
'"-+/" . 0/ *$#01 2+ *+ . +1#",-1 10-0 2 3"#0E # "#14-01" 2+
"03+- -#0(."-/+ 2+ *1+'E # "* 20 0'#0 0 . 1 0(20 "#2+#0 2"*
/"*1 -1 "* 2+*'01/"* -" '"11+/ " 2+ 0-$0 $0(0 .;"* 2"4 "#+* 20 0
' 1202+ 2+ :+"1"/ 0(+, ,#" +**"#+* 2" #+01 "11+/ " 20* #1+*E OR
-4+1 "*+ +#-0-2+* '"4#"(", ,"* $"# 20 0'41202+ 2+ '0-"-+*E 2"
,02#+ "*+ '+-$+ " . +* 2+ "4#0(,#" +**"# 2" . +* . " +01 "1R
1+/ " 20* #1+*E + 2" ;0':0#+1 "#. 02" + . '0-"-+*(-$"- " /-0' "
"+11 " 2+ "#0+*('" . " *+'#'10# "(+ '"110;"#02"#

-* 011020 +*$0 '" . . **4"(+ 20-2" ,# -' , " 0"* *+-* $#0;01:"*(
$#0$"4 *+ 1"/" 2+ "#. 0# ", 0-" 20 *+1+'10 ,"#14/ +G0 ,0#0 4*" 20*
+*'"10* 2+ -*1#4''0" ,# #00# 0(*+-2" +-'0##+/02"* 2+1+*1+ $#0;01:" "*
. +. ;#"* 20 '" . . **0" '"-* 2+#02"* . 0 * 0,1"* ,0#0 +11+E 0 +*'"1:0
,"#+ . 2"* '10** '"*(+ 0 1+ 4#0(+ 0, ,# $30'0" 20* ,+'0*(9-+ 2+1+11+*
2+3 0#0 *+# +8$#0 20* ,0#0 0 '" . ,"* '0" 20 *+1+'10(1+3"4 -0 * $+ . ," 2" 94+ *+ ,#+*4 . 0< +-1#+$0-$" ':+/"4 0 "#. 0# *+ + 0 0, ,#"30# *+ " , 0-"E -0" ':+/"4 ,"#+ . 0 +-$#0# -0 . ,#+-*0 ,+10 #0G0"(94+ 0;0 8" 2 #+

#0$"4 *+ $0 . ;+ . 1"/" 20 *+1+'10 /#+/0 ,"+1 '0(' F" , 0-" $ -:0
* 2" + 1" ,+1" F0 ' 102" ,#" +**"# 2+ /#+/" 2+ *;"0 4*1"2 " "*
2 1 3+ #0(+ 0, ,#"302" ,"# 0130#0 2+ AV 2+F41:" 2+ AVVI(0** /-02"

;+# J . ' 9 +' '" . ,#+1 +-2+' 0 * /- '0' "' 20*' ,0103#0*E J '
$ ' 9 +' +8,1 '0' 0*' ,0103#0*' + . ,#+/0'10*' -"*' 2 1 +#+-1+*' 2 01+'1"*(
+' 0*' #+24G' 0"*' 1+# . "*' 20' 1 -/40' '" . . 4 . E' +' $ ' 9-+' +-* -0' 0
3+# +#' "' 101 .' ,0#0' "' /#+/"' #0' "' *#' ,02#+' "*+' '+-$+' $ -1 0' 1+302"'
0' . ,#+**0"' 2"' 1+8 '"-' 940*' 01+' 0"' .' 20' 1+11#0 J) J 20' ,0#$+' :+#'
. +-+ '0(' 940-FF1"' +4*' "' '1 0 . "4' 0"' *+-' *0- "' #+ $"' + .' I' 2+' . 0# "'
2+' ACD>

' /"3+#-"(,0#0' 9-+' +*10' ";#0' - "' '0**+' ,"#' 0'0;0#(' 2+1+# . -"4'
,"#' 4 . 0' ,"#10# 0' 2"' . - *1+# "' 2"' #' -"' 2"' AV' 2+' F -:"' 2+' ACD>(' 9-+'
' +-10"' ,#" +**"*' 2+' /#+/"' -"' 1N'+-' -0' "-01 $1+' " . ;#0(' -$"- "'
/-0' "' "41:"' 2+' -#0+*(' '"-1 --0**+' 0' '2 /0"' ' "' 1+8 '"-(' 2"' . +* . "'
. "2"' 9-+' $15+110' '- 20#0' "' *#' ,02#+' "*+' '+-1+<' '"-1 -4"4' ," *' +*1+'
$#0;011 "' "‖*" ;#'2 1"' ,#" +**"#(' #+ . 010- ;"' ," '4 '"' 9-+' #+*1030' 20' ,0#$+'
:+# . +-+-1 '0(' +' 0'' " - . +11+-2"' 0*' "41#0*' 240*' ,0# +*(' 0' 0-01N1 '0(' +' 0
*N-1:+1 '0

#0' -"' +*,0/"' 2‖0--"*' 2+' "## 2"*' 2"*2+' AC7?' 0$+' AC>?' 1 -:0#0'
0, ,0#a 2"' -"30*' +2 /"+*' . 0 *' 0'#+*'+-1020*' 2"' . +* . "' 1+8 '"-' 2+' +'
2+# '"(' '" . "' 0' 2+' 4*$03"' -G/+#(' -"3"*' 2 '' "-0# "*' /#+/"*' #0-+'G+*('
'" . "' "*' 2+' 10-':+(' +' 1+80-2#+E' +' +*1+' 0, ,0#+' . +-$"' 1 -;0' ";#'
/02"' ' *#' ,02#+' "*+' '+- +' 0' 0G+# - .' 0, ,+-2 '+' 0"Z -"**"' 1+8 '"-(
' 9--1' 0, ,+-2 '+' '"# 1030' F2' + .' . 0--*'# ,1" J D<?77' 3"'0;41"*' 01+' 2'
,0103#0 J Y=, "'"3 '*(9-0-2"' 0' . "#1+' *-#,#':+-2+-' "' 04'1"#

" ."' ' *#' ,02#+' "* ' '+-1+' 0 -20' -0"' 1 -;0' 3 *1"' "' 2 '' "-0'
"' /#+/" #0-'+G' 2+' #' 1+80-2#+' . - 1"' 0'#+*'+-102"(" ' "#/"*"(
9-+' "' 0'$401' ,#" +**"#' 2+' /#+/"(+-'0##+/02"' 20' '"-$ 40'0"('" . '
/0**+' 2+' -"3"' "' 0, ,+-2 '+("' ,+<5 . 11 4' +-*(9-+' "' 1+30**+' 0"' . (
'" . ,1+10-2"' 0' *" . . 0' 2"' 7 I<??? '3"'0;41"*(,"4'"' . 0 *' "-' . +-"*
' . ,#+**0"' 2+' $"2"' "' 1+8 '"-' 0'0;"4' -"' 0--"' 2+' AC>D' 4 . ,#+'
,"#+ .' 023+#$ #(9 +' 0*' ,0#$+*' ;+# . +-+4$ '0' +' 0-01N1 '0' $++ .' -"' #"-Z'
1+*, ' "' 0' 20$0' 2+' AC>DE' 0' *N-1:+1 '0' 0' 2+' ACD6E' +"' 0, ,+-2 '+' 0' 2+'
AC?A ‖

"-'1- 2"' "' 2 '' "-0# "("' ,#" +**"#' 2+' /#+/"' "' +-'0##+/02"' ,"#'
. 0' ,"#10# 0' 2"' . - *1+# "' 2"' #+ --' '" . ' B 010' 2+' IW' 2+' 0/"*1"' 2+' ACV7'
20' *+/4-20' +2 / 1"' 0,+# + /"020' 20' /#0 . . 01 '0' /#+/0(' 2+' 9-+' +' "' 04'
'$"#(' 0' 9-01$+2 /0"' *+' 0+;0' F ' -"' . ' 20' 1+8 '"1"/ 0

" . ;#0' AD' 2+' F411 "' 2+' ACVV

' (' :' ' "#0'* J #" +**"# F4; 102"' 2+' /#+/"' 2"' 1N'+4' -0' "'
-01' 2+' " . ;#0 S

' ,0/' I>A' ' I>I' 2"' $" . "' 3 (' +' $0 . ;+ .' F ' -"' ,#+*+-$+' '0

, '141"(1G+ . ;* . +-/0"' 20' 5 ' ' ' ' ' ' ' '
+$'
. ' 0 . ;0* 0* "' '0* "+* 0,#+*+-$0#:"* +**+' +*'# ,$"' '" . "' 0-"-N . "P'
," *' 94+' + . ' 3+#202+' "' +11+' . ,#+**"' *+ . ' 0' 2+* /-0/0"' 2"' -" . +' 2"'
04'1"#' '#+*'+-$0#+ . "* 0/"#0' 94+' 0' -2 '020' 5 ' "' +*'# ,10' ,+1"'
#("$"- "' /-0' "' "+11 "' 2+' "#0+(,#" +**"# 2"' N'+4' 2+' " . R
;#0
'#+*'+-$0#+ . "* $0 . ;+ . ' 94+' "* 2" *' '0, $419* 94+' "' 04'1"# 20'
5 ' $#0-*'#+3 ' 2+' 40#$+' 4-+* 2+' 0"' *+' -*'#+3+ . E # ' 2
' ' +' ' +' ' ' ' ' ' ' 2
' ' ' ' * ' ' ' ' - ' ' ' ' '
"' ,# . + #"' +-'"-1#0 *+' 0' 1 *$0' 2+' 01/4-* 3"'0;41"* 94+' . . +2 0$0'
. +-1+' #+'+;+#0"* 2"* /#+/"*E ' *+/ -2"' +-'"-$#0 . *+' . +-' "-020* 0*
0#$+*(2 *' ,1 -+*(*' +-' 0 *(+ . ' 94+' "* #" . 0-"* 02",$0#0 . ' ,"# 0;*" I
410' -+'+** 202+' 3"'0;41"* /#+/"*E 0** . ' ,"# +8+ . , "(-0' . +2 ' -0(
-0' ;"10- '0(-0' 0#'; $+'14#0(-0' . 4* '0(-0' ,"+* 0(-0' /#0 . . 01 '0' +$' '
-20' 2+," *' 2"* 10$ -"* #+'+;+#+ . ' 0' #+1 / 0"' #:# *$0(. 4 $"* 3"'0;41"*
/#+/"* "#0 . ' 02",102"* +' *+' '"-*+#30 . ' -2 *,+-*03+ *($0+* '" . "'
* ' ' * D ' ' D ' '
' ' ' -

4 $"' 2+' ,0**0/+ . ' ";*+#30#+ . "* 94+' + . ' "#$4/01' +*$ ' . - $"'
+- #094+' 2"' "' +*$42"' 20' 1 -/40' +' 1 1$+#014#0' /#+/0I(*0130* 0* +8'+, ';+*(
- +1 G . +-$+' -0"' . 4 $"' -4 . +#"*0*(2+' +8 . "* :+1 +- *10* 94+' 0 -20'
'"-10 . "*
' '2 -142"(*+# -"* 0' . 4 $"' ,#"3+ $"*"' 94+' -"* +* "#'0**+ . "*
,"#' 20#' 0' +*$+' 0**4 . ,1"' 0' 0$$+-/0"' 94+' +11+' . +#+'+E . $0-2"' 0** . ' "'
94+' -5+*1+* 41$. "* 0- -"* *+' $+#-' + $"' + . ' #0-'0(' F0' 1 -/40' +' 1 $$+'
#0$4#0' 10"' +*$#+ $"' ,0#+-$+*'"' $++ . ' '" . ' 0' 1 -/40' +' 1 1$+#014#0' ,"#$4'
/4+G0*
BH 0- -"' 2+' AC?W +*'#+3 0' - . ' *0; "' :+11+- *$0' #0-'+G' 4 . ' ;+11 * Z'
* . "' 1 3#"' '@#. + ' ' 4 ' ' ' 6 '
' ' ' ' ' ' ** ' ' ' - ' ' ' ' 52
'

*'#+3+4' +**+' 1 3#"' "' *#' ' //+#(#0+ . ;#"' 2"' # *$ 4"' +' ,#" (
1+**"#' -0' 0'41202+' 20*' 1+$ #0*' + . ' 0# *
! 4' +11+' 94+' 0' 1 -/40' #0-'+G0' +*1D' : -F+' ': + 0' 2+' ,0103#0* /#+/0*(
0"' . +* . "' $+ . ,"' 94+' 0' 1 +#0$4#0' #0-'+G0' *1 ' . ,#+/ 020' 2+' 2+0*
/#+/0* ' +' 94+' ,#"3+ 4' * "X' '" . "' +' 94+' $0-10* #+'"-10';+*(10-$"*
+ . ,#+*1 . "* *+' . *14#0#0 . ' '" . ' 0' "# /1-01 202+' 2"' /+- "' /041+GZI +1*

0* 9 +* "+* 94+' "' 0-'1"# +80 . -0 011+-10- +-1+' +' '" . ' 0 . 0 "# #+/410Z # 202+(,'#'-##+-2"' 01#03+* 2"* *+'-1"* 0* 2 3+#*0* ,:0*+* 2"' +*142"' +' '41 #0 20 1 -940 +' + #0* 20 #+' 0 0-1 /0 -0 #0-'0

' '"-'14*0"' 0 9 +' '1 +/0(2+," * 2+' 4 . 0 2+ . "#020 -3+*1 /0/0"(+' 9-+' 142"' '"-'"##+' ,0#0 '"-*+#30# *+ . ,#+' 3 30 0 . 0/+ . ' 20 #+20 ' +' ,0#0 +-10'0# '**0 #+'"#20'0"' '" . ' "* -1+#+**+* i' ,#+"''4,0'"+* 20 3 20 0'1401' ' #+' 0 +' 0 *40 "# . "*0:1 -/40 2+3+ . ' *+# *+ . ,#+' 0 . ' 1 0#+* 0"* +*, # 1"* ,# 3 1+/ 02"* 94+' 0*, #0 . ' 0 +8+#'+# 01/4 . 0 04'1" ' # 202+' #:+*$+' . 4-2"

0 ,"4'"' 2@**+' "41#"' +*'# ,$"#E 1 ' 1 1 +#0W4#0 /#+/0 +*$2 0' . 0 2+' $"20* 0* "4$#0* ,+10 *40 "# / -01 202+(,+10 *40 ,#"2 / "*0 # 94+G0(,+1"' -4 . +1:"' +' ,+# + '0"' 20* *40* ";#0* ,# . 0*(,+10 +1+30'0"(30# +' 202+' +' 1 ;+#202+' 2+' K40* -*, #0'"+*' W. ("' 101 .' $+#-' . 0 "# 4 - 202+E ,+10 "#,0 +' ,+10 /#03 202+' . 0/+*$"*0 #+'"#20(0 '020 -*10-1+(0 011 30 2 3 *0 94+' 0 -20 -0"' 2+*1+ . ;#"4 -0* . 0#/+-* 2"' ;#+<

% ' * '* * >

+#0 +' ' 0 -20 :"F+' - .' ,"2+#"*"' -*$#4 . +-$"' 2+' 2" . -0'0"E . 0* "' /#+/"' ' - .' -*$#4 . +-$"' 02 . #03+1' 2+' '4114#0 -$+11+'$401' +' " . 0 +#0 4#-' . ,+# "(0 F #+' 0 "' 4#-' . 4-2"(+' 4#-'[. 4 2"' 1 3#+('4F"' +*$42"' 9402#0 ,# -' ,01 . +-1+' 0 4 . 0 +,"'0Z2+' 1 ;+#202+

'' *+' 2 /0 94+' +**0 1 ;+#202+' 2"' +*, # 1"' /#+/"' ':+/"4' 0$+' 0"' +8'+**"' +' 2 0-0#'; 0E ' 940*' *+ . ,#+' #+/41020(-0 1 1$+#0$4#0(2"' . +* . "' . "2"' 94+' -0* 0#1+* 2:+**+' ,"3"' ,#+3 1+/ 02"(,+1"' *+-$. +-1"' 20 "#2+ . (20 ,#","#/0"(20 -+'+** 202+' 20 ;0# . "- 0(,+1"' 0 . "# 2"' ;+11" ' +' $+ . "* 0 30-$0/+ . ' 2+' 3 # . 4 $"' 2+," * 2"* /#+/"*(' '+# "' 94+' 094+110 #0'0 $+3+' 0 +1 ' 202+' 2+' '#+*'+# +' 2+*+-3"13+# *+' 940-2"' 0 ;4 . 0, 202+' +*$03*# -0 *40 ,# . + #0 1"#' "4;+' 20# 2* *40* ";#0* "' +-1+3"' 2+' 4 . 0 F43+-$42+' . . "#$01E ,"**4 4' 0 -$+11 /+-' 0 . 0 * *4;$ 1' +' 3 /"#"*0("' /+- "' . 0 * 1,8 3+1' +' . 0 * +'4-2"E #+'+;+4(+- #+' $"20* 0* #0'0* 2"' . 4-2"' "* 2"-* 94+' +4' #+'"#2030(:0 ,"-'"(0 ,#","#/0"(+' ;0# . "- 0(0 ;+11+G0(+' ,0#+'+' 94+' :+' ' 4;+' 0 . **0"' 2+' #+3+10# 0"' . 4-2"' "' ##+* *$ 3+1' ,"2+# 2:+**+* . +* . "* 2 "-*Z H

0* ((' :03+#2 0 -20 -"* 2" . - "* 20 #+' 0 01/4 . 0* #+/ "+* +*'4#0* +' -+8,1"#020*X

.(#+*,"-2+' "' . +* . "' +*'# ,$"#' 0 94+' 2+' #0# . 4 $"* . 0-4*' '# ,$"*(. 4 $"* 04'1"#+* 94+' #+3+10#(+8,1 '0# +' $#024G #(,0#$+* 20 : *

+' ' !'% ' ' ' 'D'"#' 1 0 '7898

J ˢVCˢ J

$"# 0ˢ 94+ˢ '"-10#ˢ +ˢ 940*ˢ 2+*'";# #(ˢ . "- . +-$"*ˢ 2+ˢ 1"2"*ˢ "*ˢ /+-+#"*ˢ
94"ˢ +80 . -0#(ˢ '""#2+-0#(ˢ 0,#"' 0#ˢ ˢ *"1"ˢ 2"ˢ "# +# 1+ˢ +-'+##0ˢ +ˢ "''41$0ˢ
0 -20ˢ :+*"4#"*ˢ - - - . +#"*ˢ 94+ˢ * ˢ ,"2+ . ˢ *'# 1:+ˢ 0##0-'02"*ˢ ˢ "# 0ˢ
2+ˢ +8,1"#0/"+*ˢ ,+#*+3+#0-1+*ˢ +ˢ . + 1 "2 '0* Q
"ˢ 0**4 . ,1"ˢ 94+ˢ -"*ˢ "+' ,0ˢ 20 -"*ˢ 0ˢ #0#)0ˢ 4#-ˢ 0#1 . #03+1ˢ +8' . ˢ
,1"ˢ 0ˢ #+,0#1 /0"ˢ 20*ˢ ;+110*ˢ 0# +*ˢ . 0-$+ . ˢ +110ˢ + . ˢ 1 +-0*ˢ 4 . 0ˢ 2ˢ
'"=0ˢ +*,+' 01(ˢ 2+ˢ *4 . . "ˢ -$+#+**+ˢ +ˢ ,#"3+ 1"Eˢ +ˢ ,0#0ˢ ,#" . -3+#ˢ +ˢ
0G+#ˢ ,#"/#+2 #ˢ "*ˢ +*$42"*ˢ /#+/"*ˢ "# . "4 *+ˢ 4 . 0ˢ 0**"' 0/ "ˢ ,#+* 0-1+(ˢ
'" . ˢ ˢ * /- '0$ 3"ˢ 1 14102+ˢ ˢ * ˢ (ˢ ˢ ˢ ˢ
ˢ , ˢ ˢ 4
*10ˢ 0**"' 0'0"ˢ +*10ˢ :"F+ˢ "#$+ . +-$+ˢ "#/0- *020Eˢ , -;1 '0ˢ #+/4ˢ
10# . +-$+ˢ 4-ˢ ˢ 2 *1# ;4+ˢ ,#+ . "*ˢ ,+'4- 0# "*ˢ +ˢ '"- +#+ˢ . +20ˢ
:0*ˢ 0ˢ 01$. -"*ˢ 2 *$ '1"*ˢ +ˢ 0"*ˢ - '$"#+*ˢ 2+ˢ ";#0* 2+ˢ . +#+' . +-$"Eˢ +(ˢ
-01 . +-1+(ˢ 20ˢ . ,41*+ˢ 3 /"#"*"ˢ 0ˢ '41 4#0ˢ 20*ˢ 1+$$#0*ˢ /#+/0*
"ˢ ˢ 0'#+*'+-1"4ˢ 0ˢ 0**"' 0/0"ˢ "ˢ % . ˢ ˢ ˢ
ˢ '+#'9ˢ 25+*$+ˢ -$+#+**0-$+ˢ #+,"* $"# "ˢ 2 Gˢ "ˢ ' 102"ˢ +*'# ,1"#<ˢ
K *$0ˢ ,4;1 '0/0"ˢ #+,#"24G 4ˢ F0ˢ 01/ . 0*ˢ ";#0*ˢ -+2 10*ˢ "4ˢ ,"4'"ˢ 341ˢ
/0#+*ˢ 20ˢ 0#$+ˢ /#+/0(ˢ '" . ˢ 101ˢ /"*1"ˢ +ˢ 0,4#"(ˢ 94+ˢ 20"ˢ "''0* 0"ˢ 0ˢ 94+ˢ *+ˢ
0,#+' +ˢ ;+ . ˢ $"20ˢ 0ˢ ;+11+G0ˢ "#ˢ +*$+ˢ . "2+ˢ "*ˢ +*$42"*ˢ ,1 1"1"/ '"*ˢ +ˢ
: *$"# '"*ˢ #+'+;+ . ˢ "ˢ '" . . +-$0# "ˢ . 0 *ˢ 0$$# :+-1+ˢ 94+ˢ 0ˢ 0#':+"1"/ 0ˢ
,22+ˢ . - * #0# 1:+*

-"ˢ -$+#+**+ˢ 20ˢ F4# *,#42+-' 0ˢ ' 3 1ˢ +ˢ '0-"- '0(ˢ -0"ˢ . +-"*ˢ 94+ˢ
20ˢ ,; 1"*",1 0ˢ +ˢ 20ˢ 1 -/4 *1 '0(ˢ $ -:0ˢ "ˢ : * ˢ . ˢ 0,"-$02"ˢ
0ˢ -2 *,+-*0; 1 202+ˢ 2"ˢ +*$42"ˢ +ˢ '"-:+' #0+-$"ˢ 2"ˢ /#+/" - -* 2+#030 "ˢ
-+'+**0# "ˢ ,0#0ˢ 1+#ˢ 0ˢ : *1"# 0ˢ /#+/0ˢ -"*ˢ *+4*ˢ "# / -0+*Eˢ ,0#0ˢ 1+#ˢ -0*ˢ
"-$+*ˢ ,# #0 $ 30*ˢ 0*ˢ " ˢ ˢ +ˢ +ˢ 0*ˢ ";#0*ˢ 2"*ˢ -1+#,#+1+*ˢ
2"ˢ 2 #+ $"ˢ /#+'" #" . 0-"Eˢ ,0#0ˢ +*$420#ˢ "*ˢ ,: 1"*",:"*ˢ /#+/"*(ˢ +ˢ 0294 # #ˢ
-"$ ' 0ˢ 20ˢ . "#01ˢ 94+ˢ +11+*ˢ +-* -0#0#0ˢ +ˢ "*ˢ F4# *'"-*41$,*ˢ #" . 0-"*ˢ ,+#ˢ
1:0#0 . Eˢ ,0#0ˢ +*$420#ˢ 0ˢ *'# ,$4#0(ˢ '"-*41$0-2"ˢ 0*ˢ 3+#*"+*ˢ +ˢ -$+#,#+ˢ
$+*ˢ /#+/"*Eˢ ,0#0ˢ 5+#ˢ -"ˢ "# / -01ˢ "*ˢ : ˢ < ˢ ,# . + #0ˢ 9-$+ˢ
2"*ˢ '0-"-+*Eˢ ,0#0ˢ '" . ,41*0#ˢ 0*ˢ ";#0*ˢ 2+ ˢ 0* 1 "(ˢ 2+ˢ ˢ "0"ˢ :#N*"*ˢ
$" . "(ˢ 2+ˢ 0-$"ˢ $:0-0* "(ˢ 2+ˢ ˢ #+/"# "ˢ 0G 0-G'-"(ˢ +ˢ 2+ˢ "4$#"*ˢ
,02#+*ˢ 20ˢ +/#+F0ˢ /#+/0EY ,0#0ˢ . +11 "#ˢ *+ˢ ,"2+#+ . ˢ '"-:+'+#ˢ "*ˢ 3 ' "*ˢ
2"ˢ : * ˢ ˢ ˢ : ˢ +ˢ ,# -' ,0(1 . +-1+ˢ 2"ˢ # ˢ ; ˢ
,0#0ˢ 021 0#ˢ 0ˢ -*$#4'/0"ˢ 20ˢ : *$"# 0ˢ 20ˢ +/#+F0ˢ +ˢ 20ˢ * 0ˢ 2 *' ,1 :0(ˢ
,"#ˢ . + "ˢ 20ˢ 1 /0"ˢ 2"*ˢ : *$"# 02"#+*ˢ 94+ˢ 0ˢ +*'#+3+#0 . ˢ + . ˢ /#+/"Eˢ
,0#0ˢ . +1:"#ˢ +-$+-2+#ˢ "ˢ 2 #+ $"ˢ ' 3 1ˢ #" -0-"(ˢ 4#-0ˢ 20*ˢ "-1+ ˢ 2"*ˢ 'OR
-"-+*(ˢ +ˢ . 0 *ˢ 4$ 1 . +-$+ˢ -20/0#ˢ 0*ˢ 3+#202+ #0*ˢ "# /+-*ˢ 2+ˢ . 4 $"*ˢ -ˢ
*1 4"*ˢ '0-"- '"*(ˢ 2+*3 02"*ˢ 2"ˢ 2 #+ $"ˢ ' 3 1

' ?

?' 2' '#+$"' 2+' D' 2+' 2+G+ . ;#"' 2+' AC76' 2 *, 4 - : 0' - "']' 1 U' 2"' 0#1 /"' V> U' ' *+/ 4 1"<

K ' '0 1+ #0 2+' 1 - /40' : +; #0 '0' *+# ' '"11"' '020' - "' F8+4' 0' "-01' 2+' " . ;#0(+' *+#2' '"-* 2+#020' '" . "' 2 *' ,1 - 0' ,#+, 0#01"# 0' & ' 2' ' ' !

0#+'+ -"*' . 4 $"' F42 ' "*"' "' *+/ - -1+' #+, 0#"<

K +1"']' 5 2"' 0#1 /"' V U' 0' '02+ #0' 2+' 1 - /40' : +; #0 '0(94+' 0G 0' , 0#$+' 2"' 9 02#"' 20' 0' 41202+' & ' ! D ' +#0' 94+' 1 "' *+-*0$0' . +-1+' 0' '"11"' '0#0' ' 0# 0' (" ' 1 #020' 20' 0' 41202+(+' #0-* +# 20' , 0#0' ' N'+4' 0' "-01' 2+' " . ;#0(0, +G0# 2+' 101' 1 - /40' *+# , # 301 30' *"' +' 4 - '0 . +-1+' 2"*' +*14 1"*' 11 +"1"/ '"*(+' "-2+' + +'1 30 . +-1+' *"' 1+ -' * 2"' #+94+-$020' , +1"*' +*1420-$+*' : +"1"/"*Z S

' -"' 0#1 /"' W> U' 2 *, 4 - : 0' "' ' 102"' 2+'#+$"' "' *+/ 4 -$+<

K ' 0#0' , "2+#' . ' "; 1+# 0*' '0, 0*' + . ' 1 +"1"/ 0(2+3+#0"' "*' +* ' 1420-1+*' 0G+# "*' +80 . +*' 2+' /#+/"' +' 2+' : +; #0 '"' 0-$+*' 20' . 01# '410' -"' ' U' 0 - -"(+' , "2+#0"' '2 N 0' *+ . ' +11+*' "; 1+# "' /#04' 2+' ; 0' : 0#+1 *'

?' 2+'#+$"' '" . ' "#'0' 2+' 1+' 2+' I ?' 2+' *+1+ . ; #"' 2+' ACA>' . 0 - 2030(-"' 0#1 /"' >C U(94+' -"*' N'+4*' 2+' *; "0' +' " . ;#0' : "43+**+' '02+ #0*' 20' 1 - /40' : +; #0 '0

) 40-2"' -"' 0 . "*"' : * ' . ' *+' +80 . -030' 0' - 14+-' 0' 94+' *"; #+' "*' +*$42"*' 4 - 3+#* 10# "*' $ 3+#0 . ' "*' +*10141"*' 2+' ADWC(. 0' ' : -02"*' , +1"*' F+*4 $0*("# . 01 . "-$+' +#0 . ' +*$+*' 0#/4 2"*' 2+' K1 03+#+#0' 2+ 802"' 2+' - '41'0# 0' -+'+** 202+' +' 41 1 202+' 2"' '"-: +' . +-$"' 20*' 1 - R /40+' /#+/0' +' : +; #0 '0(940-2"' : 03 0' '02+ #0*' , 0#0' "' +-* -"' 2+' 0 . ; 0*' +*10*' 1 - /40*

"# +*10' "' '0* 0"' *+' 0G 0' $0 . ; + . ' *+-1 # "' 2+*' - 2"' 94+' : "43+#0' 2+' #+' " . . +-20# 0, +#1020 . +-1+' "' +*$42"' 20' : *$"# 0(20' ' : #"-"1"/ 0(20' /+"/#0, : 0(20' , : 1"*", : 0(20' '#1 '0 j' 20' F: +# . +-+41 '0' *0/#020(, 0#0' '"-*+/4 # "' , +# + 1"' '"-: +' . +-$"' 20*' *## , $4#0*

#0' -+'+**0# "' *0; +# + . ' 940+*' 1 - /40*' "# / -0+*' "#0 . ' +*'# , $"*' "*' 1 3#"*' *0/#02"*E 940+*' 0*' *40*' 3+#*"+*E 9401' 04'$"# 202+' $+#-' 0' 41/010

T8)9 2 ' ' ' ' ' I #) ' " %, ' ; , 0. '

%#)' "%0 " ' "0'), 0' # 60

J ˢD ˢ J

ˢ '" *0ˢ '4# "*0ˢ "ˢ *0;+# *+ˢ 9 +ˢ -"ˢ *+' 1"ˢ 83ˢ -0"ˢ +F *1 -ˢ 4 .ˢ * ˢ ,"# ˢ
$4/4+Gˢ '011 "1 '"ˢ #" . 0-"(94+ˢ *"4:+**+ˢ 0 1 -/40ˢ 1 +;#0 '-Eˢ .0* ˢ + .ˢ
'" . ,+-*0'0"("ˢ *+'41"ˢ 83 (* ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ
ˢ ˢ -"*ˢ "1 "#''+ˢ 4 . 0ˢ 0;4-20-$+ˢ 1 *$0ˢ 2+ˢ 30#;+*ˢ 94+ˢ *+ˢ
2 *1 -/- #0 .ˢ -M09 +110ˢ +# 2 /0"
ˢ '" .ˢ + + "(2' *0#0 .ˢ 1+*1+ . 4-:"ˢ :"-#"*"ˢ -5+*1+ˢ /+-+#"ˢ 2+ˢ
1 $1+#014#0ˢ :" . +-*ˢ 10+*ˢ '" . "ˢ "ˢ 2" . '0-"ˢ #ˢ #0-' *'"ˢ "#" #"Eˢ # (
+#--N . "ˢ 2+ˢ G0 . ;4F0ˢ B'"-:+' 2"ˢ 10ˢ "#0ˢ ,+1"ˢ *";#+-"#0+ˢ 101 - *02"ˢ
2+ˢ 9 'ˢ #ˢ 1+ 1"#ˢ -1"("ˢ '+1+;#02"ˢ 0 '1"#ˢ 20ˢ (ˢ ˢ ? ˢ
: ˢ ˢ +2#"ˢ 2+ / + #"('"-+/"ˢ #+/#0-$+ˢ 2"ˢ 9 "*ˢ + #"ˢ 2+ˢ 0-$0ˢ
#4Gˢ 2+ˢ " . ;#0ZEˢ "ˢ ,#+'10# ** . "ˢ ˢ +#"-N . "ˢ *"# "(; * ,"ˢ 2+ˢ 13+*(
+ˢ *+-ˢ *";# -:"ˢ 2"ˢ . +*#0"ˢ -" . +ˢ +ˢ "*ˢ F+*4 10*(-"*ˢ -*ˢ 2"ˢ *+'41"ˢ
T ("#0 .ˢ '41,02"*ˢ 2"ˢ +* . "#+' . +-1"ˢ 20ˢ 1 $1+#014#0ˢ ;+;#0 '0(+ˢ '+#$"ˢ
94+ˢ 0 -20ˢ *+ˢ . "*$#0 .ˢ '411"#+*ˢ "4ˢ ,+1"ˢ . +-"*ˢ +*142 "*"*ˢ 20ˢ 1 -/40ˢ
;+;#0 '0ˢ "*ˢ ,02#+*ˢ "* . +ˢ 2+ˢ 0/01; +*(+;0* 0"ˢ 0##020*(+-$"ˢ
+#-0-2+*(0-4+1ˢ 2+ˢ D(+ˢ #0-+ *'2ˢ 2+ˢ +-2"-/0
"ˢ . +* . "ˢ *+'41"ˢ 83ˢ 0,#+*+-10 *+ˢ '" . "ˢ *0;+2"#ˢ 20ˢ 1 -/40ˢ :+ˢ
;#0 '0ˢ "ˢ #0-' *'0-"ˢ #ˢ "94+ˢ 2+ˢ 1 . + 20ˢ ?ˢ 2#ˢ "/"ˢ 2+ˢ 0 30ˢ +ˢ
-2#02+ˢ 0,#+-2+4ˢ 0ˢ . +* . 0ˢ 1 -/40('" . "ˢ *+-2"ˢ +*1+ˢ 4#-ˢ . + "ˢ 2+ˢ 01Pˢ
'0-/0#ˢ "ˢ *+-$ 2"ˢ 1 $$+#01ˢ 2"ˢ +11 "ˢ +*$0 . +-1"ˢ -20ˢ + .ˢ A7C6ˢ ,4;1ˢ
'030ˢ ˢ #0-' *'0-"ˢ #ˢ 4 Gˢ 2+ˢ ˢ #0-' *'"ˢ + .ˢ " . 0ˢ . 0ˢ 0#$+ˢ ;+;#0 '0(
+ . ;"#0ˢ 2 4*0ˢ +ˢ ,"#ˢ **"ˢ 2+*0- . 02"#0ˢ ,0#0ˢ "*ˢ ,# -' , 0-$+*
"ˢ *+'41"ˢ 83-ˢ 0,+-0*ˢ $013+Gˢ ,"2+ˢ ' 10# *+ˢ '" .ˢ 1"43"#ˢ "ˢ . "-/+ˢ
;+-+2 '$ -"ˢ 2"ˢ . "*1+ #"ˢ 2+ˢ "-*+##01+(. 0*%ˢ -0$4#01ˢ 2+ˢ *;"0((#ˢ
#0-' *'"ˢ 0-':+*("ˢ 9401ˢ . "*1#"4ˢ /#0-2+ˢ +#42 '0"ˢ ;+;#0 '0ˢ - ˢ ";#0ˢ
94+ˢ ,4; '"4ˢ +#0ˢ A6AW
ˢ 2+ˢ -"10#ˢ 94+(-0"ˢ ";*$0-$+ˢ ;03+#ˢ 2+'0 2"ˢ . 4 14ˢ 4ˢ +* 444ˢ 40ˢ
1 $$+#0$4#0ˢ ;+;#0 '0('"-*+#3030 .ˢ 0 -20ˢ 01/4-*ˢ . ,#+**"#+*(. +-"*ˢ . 04*ˢ
'0#0'$+#+*ˢ ;+;#0 '"*< +2#"ˢ #0+*;++'aˢ + .ˢ *;"0("/"ˢ " . +*ˢ 2"ˢ
"4#+ #"ˢ + .ˢ " . ;#0(+ˢ 0-4+1ˢ 0#2;*"< -"ˢ "#$"ˢ +2#"ˢ #0+*;++'aˢ
"ˢ ˢ . ,#+**"#ˢ 94+ˢ "*ˢ '"-*+#3; ˢ ,"#ˢ . 0 *ˢ $+ . ,"
+ˢ A6>?ˢ 01+ˢ 0"ˢ . +02"(2"ˢ *+'41"ˢ 83 ˢ 0'0;"4ˢ 2+ˢ $"2"ˢ + .ˢ "#$4R
/01ˢ 0ˢ +#42 '0"ˢ ;+;#0 '0ˢ . MAVDIˢ +*'#+3 0ˢ #0-' *'"ˢ 2"ˢ -0ˢ + +11"<ˢ
K 0"ˢ +ˢ -+'+**0# "ˢ ,#"30#ˢ 0ˢ /-"#0-' 0ˢ 94+ˢ ;0ˢ 20*ˢ 1 -/40*ˢ "# +-10+*ˢ
-5+*1+ˢ #+ -"ˢ "ˢ ;+;#0 '"ˢ 0 -20ˢ :0ˢ . 0 "#ˢ 2+*'"-;+' . +-$"(, ;#ˢ 94+ˢ
-+ .ˢ *+ˢ +-* -0(-+#0ˢ *+ˢ 0,#+-2+ $
"ˢ . +02"ˢ 2"ˢ *+'41"ˢ 83 ˢ 20$0#0 .ˢ 0*ˢ ,#"3 2+-' 0*ˢ *";#+ˢ "ˢ +-* -"

Zˢ ˢ +2#"ˢ 2+ˢ /4+ # (. 4 $"ˢ 3+#*02"ˢ -0ˢ 1 -/40ˢ ;+;#0 '0(+#0ˢ ,"#ˢ **"ˢ
':0 . 02"ˢ "ˢ 3

J 5C A

20 1 -/40 :+;#0 '0(+ "* ,#"/#+**+* 94+ " +*142" 20* 1 -/40* "# +-10+* 2+3+#0 . 0" /#0-2+ +-0'41"(+ 0"* #+1 / "*"* 2" '"-3+-$" 2+ +*4*('" . " $ 3+#0"* "''0* 0" 2+ #+ +# # -" 1" . " #(,0/ IIC 0 " (940-2" #+*4 #-1 . "* + '""#2+- . "* 0* -"1 ' 0* 94+ *+ -"* 2+,0#030 . -"* +*'# ,$"* 2+ 0'+2"(+-0'41"(# "#$4-0$" 2+ " 03+-14#0('+-$+ 01/02"(+-2" # /"*"(+$'

" . " /+-+#" 2+ *'10#+' . +-1"(#+101 30 . +-$+ 0" +-* -" 20* 1 -R /40* :+;#0 '0 + 0#0; '0 + . "#$4/01 -5+*$+* -"**"* $+ . ,"*(1" . 0#+ . "* -"$0 2" 94+ *+ + -" ,#+0 . ;41" 2" 2+'#+$" 2+ 2+ 2+G+ . ;#" 2+ AC6W H

" " ** " " " " " " " -0 *+' 0" "# +-$01 2" N'+4 0' "-01 2+ *;"0(+ 945+ $+#- 2+ "#2+-02" '020 4 . 0 >?? ???# +*(* $ * " " , 2 " 6 " " " + ,"#94+(940-$" > ,# . + #0(-+ . $+ . "* 0'$401 . +-1+ #+94+-$+ $#0$" '" . "* +*$02"* ;0#;0#+*'"*(" 94+ $"#-030 . 0 * ,#"'4#02" " '"-:++# . +-$" 25+*$0 1 -/40(-+ . 940-2" *+F0 -+'+* *0# " :0; 1 $0# -5+110 01/4-* -0' "-0+* '" . 4 . +*$42" ,#" 4-2" + '" . ,1+1"(*+ ,"2+# 0 01'0-'0# +*$+ #+*41$02" *2 '" . 0 #+94+-'10 25+*$0 '0 2+ #0E *+-2" -5+**+ '0*" ,#+ +# 3+1 + . 0 * +'"-" . '" *4;* 2 01 "* + . '4#*"* + +*'"10* 2#0 2" ,0 G("-2+ +*$+* +*$42"* *0" 10#/0 . +-$+ ,#" +**02"*

" " " " " *+-2" *4;* 2 " -2 *,+-*03+1 ,0#0 "* '4#*"* *4,+# "#+* 2+ $:+"1"/ 0(-0 #+*,+'1 30 0'41202+ 20 - 3+#* 202+ + -501/4-* *+ . -0# +* 2 "'+*0-"*($+ . 0: " *+4 1"/0# ,#",# "($"#-0-2" *+ 2+*-+'+**0# 0 + . *;"0 S

/ 1 1 12 /1 (, -12 / 1/ 8+1) 1/2 - / 9 :1/ + + -/ /

" $" . " (,0/ 7II g 7IC 2+ . "* ,+10 ,# . + #0 3+G '"-:+' . +-$" 25+*$0 +*, ' 01 202+(0,#+*+-$0-2" 0* '"-3+- +-$+* -"$ ' 0* 01 0" . 2" #+ -02" 2+ " 0" 3

" $" . " (,0/ 7C7 0 7CV(+8,"*+ . "* 0* -"1 ' 0* 94+ *";#+ "* . +* . " 0**4 . ,1" ,"2+ . "* #+4- #(,+#$+-'+-1+* 0" ,+# "2"W 2+ ACIC 0 AC77

0**0 . "* 0/"#0 0 20# '"-:+' . +-$" 2" 94+ -5+*$+ ,0#$ '410# 2 G +*,+ $" 0" #+ -02" 20 *+-:"#0 " 0# 0 -

- " " $

ˢ "' +202+ˢ ,#" . "$"#0ˢ 20ˢ -24*$# 0ˢ -0' "-01ˢ #+*"13'4ˢ +*10;+1+ˢ
'+#ˢ ' .ˢ *;"0ˢ 4 .ˢ '0#*"ˢ 2+ˢ /+" . +$# 0(ˢ +ˢ . +':0- '0ˢ 0, ,1 '020ˢ 0*ˢ 0#1+*Eˢ
+*$0-2"(ˢ ,"#+ . (ˢ 2+,+-2+-$+ˢ +**+ˢ +*10;+1+' . +-$" J 2+ˢ ˢ * ˢ
ˢ * ˢ * ˢ ˢ * . ˢ ˢ ˢ J 2 *,+-*02"ˢ 2"ˢ
*+#3 '+ˢ 2"ˢ . 0/ *$+# "ˢ "ˢ 1+-$+ˢ 2"ˢ >Sˢ 0--"ˢ 20ˢ '02+ . 0ˢ 2+ˢ "#$)'0'0"(ˢ
30# *$"ˢ "*+ˢ +##+ #0(ˢ + .ˢ 940-$"ˢ *+ˢ "'' ,0**+ˢ 2+ˢ #024G #ˢ 4 . 0ˢ ";#0ˢ
94+ˢ *+#3 **+ˢ ,0#0ˢ 09 +11+ˢ 2+*$ -"
+F0ˢ 0ˢ ,"#10# 0ˢ 2+ˢ IC ˢ 2+ˢ "4$4;#"ˢ 2+ˢ AC76
* 094ˢ "ˢ $ 141"ˢ 2"ˢ ASˢ $" . "ˢ 2"ˢ '" . ,+-2 "ˢ 94+ˢ 30# *$"ˢ "*+ˢ
+##+ #0ˢ ':+/"4ˢ 0ˢ '" . ,"#ˢ Kˢ ,4;1 '0#<
; ˢ ˢ ˢ ** ˢ 0*ˢ ˢ ˢ ˢ ˢ
ˢ ˢ * ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ
ˢ ˢ ˢ ˢ 86- ˢ ˢ ˢ ˢ ˢ ˢ : ˢ
* ˢ ˢ ˢ ˢ ˢ ˢ ˢ , ˢ 6 ˢ ˢ ˢ ˢ
ˢ ˢ ˢ ˢ ˢ (ˢ " ˢ " . "ˢ ASˢ +" . +R
$# 0ˢ *;"0ˢ AC7V

?ˢ ˢ 7Sˢ 2"ˢ 0#$ /"ˢ 7D Sˢ 2"ˢ 2+'#+$"ˢ 2+ˢ ADˢ 2+ˢ -"3+ . ;#"ˢ '" . . +$$ 0ˢ
0"ˢ '"-*+1:"ˢ ,#"3 -' 01ˢ 2+ˢ -*$#4''0"ˢ ,4;1 '0(ˢ -0*ˢ ,#"3 -' 0*ˢ -*410#+*ˢ +ˢ
41$#0 . 0# -0*(ˢ ˢ ˢ ˢ *

6

ˢ ,"#$0# 0ˢ 2+ˢ ˢ 2+ˢ 2+G+ . ;#"ˢ +8 / 0ˢ 94+ˢ "**+ . ˢ ;"-*ˢ ˢ
* ˢ ˢ 2+ˢ 94+ˢ -0*ˢ +*'"10*ˢ *+ˢ G+**+ˢ 4*"(ˢ 0ˢ 1 .ˢ 2+ˢ 94+ˢ ,"#ˢ
+11+*ˢ ,"2+**+ . ˢ "*ˢ 014 . -"*ˢ *+#ˢ -*$#4 2"*ˢ -"ˢ '"-:+' . +-$"ˢ 20*ˢ ";# /0ˢ
"+*ˢ ' 3 *ˢ +ˢ #+1 / "*0*ˢ 2"ˢ ' 2020"

'

ˢ ,"#$0# 0ˢ 2+ˢ ˢ 2+ˢ "4$4;#"ˢ . 0-2"4ˢ 1" 30#ˢ 01/4-*ˢ 1+-$+*ˢ 20ˢ - Zˢ
3+#* 202+ˢ 2+ˢ " . ;#0(ˢ * ˢ 1 ˢ * ˢ *
* 094ˢ "*ˢ -" . +*ˢ 25+**+*ˢ 1+-$+*(ˢ +ˢ "ˢ ";F+'$"ˢ 2"*ˢ '" . ,+-2 "*ˢ 94+ˢ
+11+*ˢ G+#0 . <
'+-$+ˢ +##+#ˢ +$"ˢ 0 30 J ˢ < ˢ * ˢ ˢ ˢ ˢ

J ˢC7ˢ J

2# "ˢ +#+ #0ˢ "#FOGˢ 2+ˢ 0 . ,0 " J ˢ < ˢ * ˢ ˢ ˢ
* <

+#"-N . "ˢ "* ˢ 2+ˢ +11" J ˢ ,# . + #0ˢ ,0#$+ˢ 2+ˢ 4 . ˢ : * ˢ ˢ
D

'

ˢ " ' "ˢ 94+ˢ "ˢ $- - *$+# "ˢ 2"ˢ #+ $ "ˢ 2 # / 4ˢ 0"ˢ 2"*ˢ -+/"' "*ˢ +*$#0- ˢ
/+ #"*(+ . ˢ 20$0ˢ 2+ˢ I7ˢ 2'ˢ -/"*$"('"-$+#0ˢ 4 40ˢ + +' 01 202+(ˢ
ˢ * ˢ 2B0ˢ 9 +ˢ -"*ˢ '4 . ,#+ˢ $" . 0#ˢ -"10ˢ * 094ˢ "*ˢ $+# . "*ˢ +#0ˢ
94"ˢ +#0ˢ '"-'+; 2"ˢ "ˢ -2 '02"ˢ " ' "<

0#+'+-2"ˢ '"-3+- +-$+ˢ 94+ˢ 0ˢ - 3+#/ 202+ˢ 2+ˢ " . ;#0ˢ *+F0 . ˢ "# ˢ
-+' 2"*ˢ "*ˢ * ˢ * ˢ ˢ < ˢ ˢ < ˢ ,"#ˢ
*+ˢ 0' :0#ˢ -5+110*ˢ . 4ˢ 02 0-102"ˢ "ˢ +*142"ˢ 20*ˢ *' +-' 0*ˢ -01 #0+*ˢ "ˢ F4# ˢ
2 '0*(+ˢ ;+ . ˢ 0** . ˢ "*ˢ ,+# "2 '"*ˢ +ˢ 1 3#"*ˢ *' +-$ '"*ˢ "4ˢ 1 $$+#0# "*ˢ 94+ˢ
01 ˢ "#+ . ˢ . 0 *ˢ 0'#+2 102"*< 3"4ˢ #"/0#ˢ 0ˢ 3ˢ +8 Sˢ *+ˢ 2 /-+ˢ 2+ˢ 0G+#ˢ +8 ˢ
,+2 #ˢ "#2+-*ˢ 0"*ˢ -"**"*ˢ 0/+-1+*ˢ 2 ,1"#00$ '"*ˢ -"*ˢ ,0 G+*ˢ 25094+110ˢ ,0#$+ˢ
20ˢ 4#" ,0Eˢ ,0#0ˢ 94+('"11 +-2"ˢ -#"# . 0/"+*5 *" ;#+ˢ +*$+ˢ " ;F+' "(:0F0 . ˢ
2+ˢ #+#0+$$+#ˢ "*ˢ +*'10#+'1 . +-$"*ˢ 94+ˢ " ;1 3+#+ . ˢ '+#'0ˢ 2"ˢ . +#+' . +-$"ˢ
2"*ˢ #0+-' "-02"*ˢ +*'# ,$"*('" . ˢ 2+'10#0/0"ˢ 2"ˢ ,#+/"ˢ 2+ˢ '020ˢ 4#-ˢ 25+1 ˢ
1+* H

' '

ˢ 2+'#+$"('" . ˢ "#/0ˢ 2+ˢ 1+ (2+ˢ ˢ 2+ˢ *+1+ . ;#"(2 *,"+ˢ "ˢ *"/4 -1+(
ˢ , ˢ ˢ * >

$ ˢ /"3+#-"ˢ ,"2+#0ˢ " +#+'+#ˢ ,#+ . "*(0$+ˢ 0"ˢ 301"#ˢ 2+ˢ !(ˢ #+ *(
0"*ˢ -2 3 24"*ˢ 94+ˢ 0,#+*+-$0#+ -ˢ '" . ,+-2 "*(020,102"*ˢ 0"ˢ 4*"ˢ 20*ˢ 2 ˢ
+#+-$+*ˢ 2 *' ,1 -0*(94"ˢ 0"ˢ ";F+'$"ˢ 20ˢ -*$#4+/0"ˢ ,# . 0# 0

Aˢ Sˢ 0#0ˢ +*$+ˢ . ˢ "ˢ /"3+#-"ˢ . 0-20#0ˢ ,4;1 '0#ˢ "*ˢ '"-3+- +-$+*ˢ ,#" ˢ
/#0 . . 0*Eˢ +ˢ ,"2+#0ˢ +*$0;+1+'+#ˢ . 0 *ˢ 2+ˢ 4#-ˢ ,#+ . "ˢ ,0#0ˢ '020ˢ 4 . ˢ 2"*ˢ
2 3+#*"*ˢ '" . ,+-2 "*

Iˢ Sˢ *ˢ '" . ,+-2 "*(0 -20ˢ 94+ˢ ,#+ . 02"*(1+0#0"ˢ *+-2"ˢ ,#" ,# +202+ˢ
2"*ˢ *+4*ˢ 04'$"#+*(*+ˢ +*$+*ˢ -0"ˢ '+2+#+ . ˢ 25+110ˢ +*,"-$0-+0 . +-$+Eˢ . 0*(
,0#0ˢ *+#+ . ˢ . 0-202"*ˢ 4*0#ˢ -0*ˢ +*'"10*(*4F+ 10# *+ :0"ˢ *+4*ˢ 04'$"#+*ˢ
0"*ˢ ,#+/"*ˢ +ˢ '"-2 /"+*ˢ 2+ˢ . ,#+**0"ˢ 94+ˢ "ˢ /"3+#-"ˢ :+ˢ 2+* /-0#ˢ B #$
#;< = ;!

*ˢ '" . ,+-2 "*ˢ ,"#ˢ "-2+ˢ 2+3+ . ˢ 1+# *"ˢ 0*ˢ 2 *' ,1 -0*ˢ 2"ˢ +-* -"ˢ
,4;1 '"(*+#0"ˢ ,#" ,"*$"*ˢ ,+1"*ˢ ,#" +**"#+*(+ˢ 0, ,#"302"*ˢ ,+1"*ˢ '"-*+Zˢ
:"*ˢ 20*ˢ #+*,+'$ 30*ˢ +*'"10*

-

J ˢC>ˢ J

ˢ /"3+#-"ˢ ,"2+# ˢ . 0-20#ˢ . ,# . #(,"#ˢ '"-10ˢ 2"ˢ +*$02"("*ˢ '" . ˢ ,+-2 "*ˢ 94+ˢ "#+ . ˢ 0, ,#"302"*ˢ ,0#0ˢ "ˢ +-* -"ˢ ,4;1 '"(/40#2020ˢ 0ˢ 2 *Z ,"* /0"ˢ 2"ˢ 0#1 /"ˢ 7 Sˢ 940-$"ˢ 0ˢ -*1#4'/0"ˢ ,# . 0# 0

ˢ ,#",# +202+ˢ 25+* +*ˢ +*'# ,$"*(2+," *ˢ 2+ˢ ,0/0ˢ 0ˢ *40ˢ ,# . + #0ˢ . ,#+**0"('0# ˢ ,+#$+-'+-2"ˢ 0"*ˢ *+4*ˢ 04'1"#+*(,0#0(-05'"- "##0 202+ˢ 20*ˢ 1+ *(,"2+#+ . ˢ *+#ˢ . ,#+**"*ˢ +ˢ 3+-2 2"*ˢ ,"#ˢ '"# 0ˢ 25+11+* ˢ '0-2"ˢ $"20310ˢ *4F+ $"*ˢ 7*ˢ $080*ˢ 94+ˢ 2+3 20 . +:$+ˢ :+*ˢ "#+ . ˢ . ,"*10*ˢ B #$ˢ A6V Sˢ +ˢ]ˢ 4- '"

'

ˢ 2+'#+$"ˢ 2+ˢ ˢ 2+ˢ -)(3+ . ;#"ˢ 94+ˢ +*$0;+1+'+"ˢ "ˢ #+/410#0+-$"ˢ 2"ˢ "-*+11 "ˢ 4,+# "#ˢ 2+ˢ -*$#4'/0"ˢ 4;1 '0(2030ˢ 0"ˢ . +* . "ˢ '"-*+1:"ˢ 0*ˢ *+/4 -1+*ˢ -'4 . ;+-' 0*(ˢ , ˢ ˢ * >ˢ (

*10;+1+'+#ˢ -0*ˢ +*'"10*ˢ ,4;1 '0*ˢ +ˢ ,0#$ +410#+*ˢ 0ˢ 4- "# . 202+ˢ 2+ˢ 2"4$# -0ˢ +ˢ 2+ˢ . +1:"2"ˢ + . ˢ 1"2"*ˢ "*ˢ #0 . "*ˢ 2"ˢ +-* -"

4;1 '0#ˢ "*ˢ ,#"/#0 . . 0*ˢ '"-3+- +-1+*ˢ ,0#0ˢ "ˢ '"-'4#*"ˢ 0"*ˢ ,#+ . "*(+*$0;+1+' 2"*ˢ + . ˢ 03"#ˢ 2+ˢ 94+#-ˢ 0,#+*+-10**+ˢ * ˢ * ˢ ˢ ˢ *

#" . "3+#ˢ 0ˢ '" . ,"* '0"ˢ +ˢ -$#"24')0"ˢ 2+ˢ ˢ ˢ ˢ * ˢ ˢ) ˢ 0, ,#"30-2"ˢ "*ˢ 94+ˢ "**+ . ˢ 0''" . . "202"*ˢ 0"*ˢ 4*"*ˢ 20*ˢ +*'"10*(+ˢ ,#","-2"ˢ 0ˢ *40ˢ . ,#+**0"ˢ +ˢ ,4;1 '0)0"(-"*ˢ '0*"*ˢ ,#+3 *$"*ˢ ,+1"ˢ 0#$ /"ˢ A6V Sˢ 2"ˢ 2+'#+$"ˢ 2+ˢ I?ˢ 2+ˢ *+1+ . ;#"ˢ 2+ˢ AC>>(+ˢ 1+/ *10 0"ˢ 0-01"/0ˢ B #$ˢ IV Sˢ -4 . ˢ >(D(+ˢ

'

ˢ . 4 1"ˢ :"-#"*"ˢ ,0#0ˢ "#$4/01ˢ "ˢ 94+ˢ *+ˢ A6 -"ˢ . ˢ 20ˢ (+ ˢ 20ˢ ,#+' "*0ˢ ";#0ˢ 2"ˢ 3 *'"-2+ˢ 2+ˢ 0-$0#+ . <J 8 ˢ ˢ ?. ˢ ˢ ˢ * ˢ ˢ ˢ ˢ * ˢ * ˢ D 2 >

K "4*ˢ -+ˢ 2+3"-*ˢ ,0*ˢ '+,+-20-$ˢ ,0**+#ˢ 'ˢ *"4*ˢ * 1+-'+(94+ˢ '5+*$ˢ 04ˢ ,4 **0-$ˢ 0, ,4ˢ 24ˢ /"43+#-+ . +-$ˢ 2+ˢ -"$#+ˢ ,0N*ˢ 94+ˢ 5 $ #",+ˢ *030-1+ˢ 2+3#0ˢ 10ˢ ,4;1 '0$ "-ˢ 24ˢ ,#+ . +#ˢ +'4+ 1ˢ *N*1+ . 01 94+ˢ 2+*ˢ . "-4 . +-$*ˢ /+"/#0, : 94+*ˢ +$ˢ 2+ˢ '+$ˢ "43#0/+(+$ˢ -"$0 . . +-$ˢ 04ˢ G6A+ˢ +$ˢ 04ˢ ,01# "1 * . +ˢ '10 #+ˢ 2+ˢ ˢ ˢ #ˢ " . +*ˢ 2+ˢ 0*$#"(. - *$#+ˢ 2+*ˢ 0 0 #+*ˢ +1#0-/+#+*(9"ˢ '"", #0ˢ 2+ˢ $"4$ˢ *"-ˢ ,"43" #(*4#1"4$ˢ 7ˢ 10ˢ ,4;1 '0$ "-ˢ 24ˢ ,14*ˢ ,#+ˢ ' +"8ˢ . "-4 . +-$ˢ 2+ˢ 10ˢ /+"/#0, : 'ˢ 24ˢ . "N+- 7/+(10ˢ 0 . +4*+ˢ . 0, ,+ˢ -"-2+ˢ 2+ˢ #0 04#"ˢ "4*ˢ *"#0 . +*ˢ ':0##0ˢ 2+ˢ ,"43" #ˢ 14ˢ +8,# #0+#ˢ 'ˢ ,4;1 94+#0+-$ˢ $"4$+ˢ -"$#+ˢ /#0$ $42+ S

J CD J

-$#"24''0"(0 94+ 01142 . "*(" ,# . + #0 . +-$+ 1 20 ,+#0-$+ 0
'02+ . 0 20* -*'# ,) "+* + +110* +$1#0* 2+ 0# *(-0* *+**"+* 2+ A +
2+ 2+G+ . ;#" 2+ AC>C(+ ,#+'+2+ 0 -2 '020 ";#0(,4;1 '020< " S
$" . " + . AC>W(" I L + . ACD?(+ " 7 S + . AC7I('" . " *+/4 -1+ 1 141"
94+ 10-'0#+#0"* 0/"#0 '" . $"2" " 2+*+-3"13 . +-1"<

8 (6 * * *
* D 2 * + B * * 2
83S * 6 0 -*
(6 * J5 ** 2 6 T2
* , * 3 Z $, 6 83S

?/"3+#-"('"- "# . 0-2" *+ '" . 0 '"-*41$0 2" "-*+1:" 4,+# "#
2+ -*1#4') 0" 4;1 '0("#2+-"4 94+ "**+ 2+'10#02" *
, * #
B < * B "#$0# 0 2+ AI 2+ . 0# " 2+ ACD?

? 2+'#+$" 2+ A? 2+ 2+G+ . ;#" "#2+-"4 94" " #+/410 . +-1" 2" #R
*+-01 2" 8+#' 1" 2+$+# . -0**+ " . "2" 2+ 1+30# 0 + + $" 0 "# . 0) "
2+ 4 . # D D $ *
*

#

+1" 2+'#+$" 2+ ID 2+ -"3+ . ;#" " '"#0 . +1$ 2" 0" '"-*+1:" 2+
";#0* ,4;1 '0* + . -0* " +-'0#/" 2+ +*$420#(+ '"-*41$0# *";#+ "
*

+ . *4 . . " -1+#+**+ 0 -"$ ' 0 20
94+ "-*+1:" 4,+# "# 2+ -*$#4') 0" 4;1 '0 04'$"# *"4 ,0#0 " +-* -"
,# . 0# "(*+'4-20# " + *4,+# "#

0$0 2+ A 2+ *+$+ . ;#" 2+ ACD>E . 0* '" . ,#+:+-2+(-0 *40 940*
1"$01 202+("* +*'# ,$"* . ,#+**"* -" #+ -02" 20 *+-:"#0 0# 0 -

J ˢCVˢ J

D * ˢ ˢ ˢ ˢ ˢ * ˢ ˢ ˢ 2ˢ
ˢ ˢ ˢ *
" ˢ ˢ ,"#ˢ ˢ ˢ 2+ˢ 0*1 1;"
5 ˢ ˢ ˢ * ˢ ,+1"ˢ . +* . "
" ˢ ˢ ˢ ˢ ˢ - ˢ ˢ ˢ ,"#ˢ ˢ ˢ 0-ˢ
2+ #0ˢ +
" ˢ ˢ - ˢ ˢ ˢ BI Zˢ$2 '0" (ˢ ,+1"ˢ . +* . "
: * ˢ ˢ ˢ * ˢ ˢ ˢ ˢ ˢ ˢ *
ˢ ,"#ˢ ˢ 0# 0ˢ 0,1 *10
! ˢ ˢ * 6 * ˢ ˢ ˢ ˢ ˢ ˢ ˢ 2ˢ
ˢ ,0#0ˢ 4*"ˢ 2"*ˢ ,#" +**"#+*ˢ +ˢ 014 . 4"*ˢ 20*ˢ +*'"10*ˢ 2+ˢ -*1#4'' "ˢ
,# . 0# 0(,"ˢ ˢ ˢ 0G
" ˢ ˢ * ˢ * ˢ ˢ ˢ , 1"ˢ . +* . "
: * ˢ ˢ ˢ ,"#ˢ ˢ ˢ ˢ 030#+* ‖
: ˢ ˢ ˢ 2+ˢ ˢ ˢ 0*
% ˢ ˢ ˢ * ˢ ,"#ˢ ˢ ˢ #+*
" ˢ * ˢ ˢ ˢ ,"#ˢ ˢ ˢ 20ˢ ˢ ˢ 0120*
/ˢ ˢ ˢ ˢ $#024G 2"ˢ ,+1"ˢ 2#ˢ ˢ ˢ "+1:"ˢ 20ˢ "':0
: ˢ ˢ ˢ ,"#ˢ ˢ ˢ ˢ 030#+*
: * ˢ ˢ * ˢ ,"#ˢ ˢ ˢ 0##+ #0ˢ 2+ˢ +11"
: * ˢ ˢ ˢ ˢ ˢ ˢ +ˢ 2+ˢ 2"4$# -0ˢ ':# *$ ˢ
2"/ . 0 '0ˢ +ˢ . "#01(,+1"ˢ . +* . "
ˢ ˢ * ˢ D ˢ ,"#ˢ ˢ ˢ "2# /4+*ˢ 2+ˢ 4* . 0"
/ˢ ˢ ˢ ,"#ˢ ˢ T ˢ 20ˢ 4-:0
; ˢ * ˢ ,"#ˢ ˢ -2#02+ˢ 4- "#
" ˢ * ˢ ˢ ˢ ˢ ˢ ,"#ˢ ˢ ˢ "#+ #0ˢ 2+ˢ
9ˢ ˢ ˢ ˢ : ˢ ,"#ˢ ˢ 13+*$#+ˢ 11 ;+ #"
: * ˢ ˢ ˢ ˢ * ˢ ˢ * D ˢ ˢ ˢ B,#+ˢ
. 02"*ˢ ' .ˢ '"-'4#*" (‖Z,"#ˢ ˢ ˢ +##+ #0ˢ 0,0
, ˢ ˢ * ˢ ,"#ˢ --"'+-' "ˢ ˢ 20ˢ 130
: * +ˢ ˢ ˢ * ˢ -* ˢ ˢ ˢ ,"#ˢ ˢ
ˢ #+*

ˢ

* ˢ ˢ ˢ * ˢ ,"#ˢ -2#02+ˢ 4- "#ˢ
5 ˢ ˢ ˢ ˢ * ˢ ˢ ˢ ˢ ˢ ˢ ,"#ˢ ˢ
0120*ˢ 41+$+
; ˢ * ˢ ,"#ˢ 0#1"*ˢ 4/4*$"ˢ + #0

K) 4+#+# 1"'0# "* ," $"* 20 ,+# + 0"(0,+-0* *+' '"#0+'0 0 +*'#+ ' 3+# ";#0* 2+*$0 -014#+G0($0"' 2 1 '+ * +' #0;01;"*0*(940-$"' -+'+**0# 0* +' 41+ *E 94+#+# 94+' + . ' ";#0* '" . ,+-2 "*0* 2+' *40 -014#+G0 +-#02"-:0* ,+1"* 1 . $+* 94+' ' *+4' 2+*1 -"' +* . 0#'0(,+10 '" . ,#+**0"' 94+' +11+' . ,"+' -"' +*, # $"' " # /02"' 0 #+*4 . # *4;*10-' 01 . +- +(2+' +8+'4/0"' $#0;01:"*0 ,+ 10 -+'+** 202+' 20 '10#+G0(2+24'/0"(+*1N1"' 2 20'1 '"(+' . 0 * '"-2 /"+* -2 *,+-*03+ * 0"' +-* ;"' 20* '10**+* + . ' 4#-' 2+$+# . "02"' $+ . ,"E 94+#+#(2 G+ . "*(*0 0 2+' . ,#"3 *"' ";#0 10"' 41+ #0 +' 0'0;020('" . "' 0110* *0 #0 20 '0;+/0 2+' 4, $+#(+' +8 / # 2+ . 0* 02"(+' 0*, #0# . 4 "' 01+ . ' 2 ' 4#/0 :4 . 0-0E "#0 0 4/+-$0# "' G+1"' +' 2+2 '0/0"(2+* 0- . 0-2"' +*'# ,$"#+* -"3+1*(94+' ,#"/#+2 -2"' *+' 0,+# + /"0 . ' #0 :" ' . +-0/+#0 2+3 20 0 +*1+* ,# -' , "*($+#0 :03 2"' /+#01 . +-$+' '+#$0 -241' /+-' 0('+#1"' 03"#' '"X-' , ' ' ' ' ' ' ' + . ' 1"20* 0* -0' /"+* 94+' ,#"'4#0#0 . ,# . # . ,41*+' 3 /"#"*"' +' +-+#/ '"' 72 4*0"' 20* 14G+*' +' '" . ,0#0# . "* 0* ,# . ' 0* 2"* -"**"* +*'# ,$"#+* '" . ' ,#" ' 24'/"+* 2"' . +* . "' /+-+#"' 2+' 04'$"#+* +*$#0-/+ #"*(0 -20 . 0 * 3+$+#0' -"*('0 . "* + . ' 94+' -0"' *+' 0':0#2 2+*30-$0/+ . ' 20 -"**0 ,0#$+(94+# -0 +80'$ 20"' 20 2"41# -0(94+# -0 ,4#+G0' 20 , :#0*+' +' '10#+G0 2+' +8,"* /0" P

U ?' ' ' ' ' '

0"ˢ 02 . ** 3+ *ˢ -"ˢ 1N'+4ˢ $"2"*ˢ "*ˢ 11 "*ˢ "-ˢ 1:0*ˢ 2"*ˢ # . 0"*ˢ 20ˢ "#2+ . ('" . ˢ $0-1"ˢ 94+<

+F0 . ˢ # . 0"*ˢ "4ˢ # . 0*ˢ 20ˢ . +* . 0(*+ˢ "ˢ -0"ˢ "#+ . ˢ *+4*ˢ ,0+*

I ˢ Ś +-1 0 . ˢ 2+ˢ +202+ˢ ˢ 0- -"*ˢ '" . ,1+1"*("\ 2"ˢ *+8"ˢ

+ˢ ' -'"ˢ ˢ ˢ 2"ˢ ? ˢ @ ;

7 ˢ Ś 0"ˢ ,02+/0 . ˢ . "1+*$ Oˢ '"-$0/ "*0

ˢ +-* -"ˢ . - *$#02"ˢ -ɔ+*$+ˢ 0,#+' 03+1ˢ +*10;+1+' . +-1"ˢ '"-* *$+ˢ -0* *+/4 -$+*ˢ 2 *' ,1 -0*<

"#$4/4+G(#0-'+G(-/1+G('"#0 . +#' "(2+*+-1 "(, 0-"

*ˢ . +- -0*ˢ 0,#+-2" . ˢ $0 . ;+ . ˢ "*ˢ 103"#+*ˢ ,#",# "*ˢ 2"ˢ *+4ˢ *+8"(+ . ˢ 940$#"ˢ '10**+*< AŚ 0G+# 1 /0ˢ +ˢ . + 0Ę I Ś '"*$4#0# +ˢ . 0#'0#Ę 7Ś #+ˢ '"#10# +ˢ ;"#20# 0ˢ ;#0-'"Ę >Ś ;"#20# 0ˢ . 01 G("4#"(+$'

*ˢ ,#+ . "*ˢ '"-* *$+ . ˢ +#0ˢ . +201:0*ˢ 2+ˢ ,#0$0(1 3#"*(+ˢ 2 ,1" . 0*ˢ 2+ˢ 1"43"#Z

A,1+ ˢ 2 , B 1

ɔ+*$+ˢ '0, $41"('"-*0/#02"ˢ 0ˢ -"$ ' 0ˢ : *$"# '" 1+/ *101 30ˢ 2"*ˢ NZˢ '+4*($#0$0 . "*ˢ 20ˢ ˢ ˢ ,#",# 0 . +-$+ˢ 2 10(94+ˢ *+ˢ ,"2+ˢ '"-* 2+#0# '"‖ . "ˢ *+-2"ˢ 4 . 0ˢ '#+0/02ˢ -"30ˢ +1 +$402Oˢ -"ˢ #+ -02"‖ˢ 20ˢ *+-:"#0ˢ ˢ 0# 0ˢ ˢ 0"ˢ 2+ ' +-$+ˢ +ˢ -'" . ,1+$0ˢ +#0ˢ +**0ˢ . ,"# ˢ $0-$+ˢ ,0#$+ˢ 20ˢ -*$#4'/0"ˢ ,4;1 '0ˢ -"*ˢ ,+# "2"*ˢ 0-$+# "#+*ˢ 0"ˢ ,+# "2"ˢ . "2+#-"ˢ

** -0ˢ "ˢ #+'"-:+'+4ˢ +ˢ ,#"'10 . "4ˢ "ˢ /"3+#-"(9 042"ˢ -"ˢ ,#+0 . ˢ ;41"ˢ 2"ˢ - +#0"#03+1ˢ 2+'#+$"ˢ 2+ˢ AVˢ 2+ˢ -"3+ . ;#"ˢ 2+ˢ AC76ˢ 2 **+(94+ˢ 0ˢ -*$#4'/0"ˢ *+'4-20# 0ˢ +#0ˢ 2+ˢ $"20*ˢ 0*ˢ ,0#$+*ˢ '"-*$ 14$ 30*ˢ 20ˢ -*1#4'ˢ /0"ˢ ,4;1 '0(094+110ˢ 94+ˢ . 0 *ˢ '0#+' 0ˢ 2+ˢ #+ "# . 0(,"# 940-$"ˢ "ˢ *N*$+ . 0(94+ˢ +-$0"ˢ 10ˢ *+# *4;*$ $4 2"('"-*$03Oˢ 2+ˢ 01/4-*ˢ #0 . "*ˢ 2+ˢ +#42 /0"ˢ +*$+# 1(940*ˢ -4$1ˢ ,0#0ˢ 0ˢ ' 114#0ˢ 20*ˢ *' +-' 0*(+ˢ *+#0ˢ -+-1 4#0ˢ +1+ˢ . +-$"ˢ 94+ˢ ,"2+**+ˢ ,#"24G #ˢ "ˢ 0,+# + /"0 . +- "ˢ 20*ˢ 0# +*(+ˢ "*ˢ ,#"/#+*R *+*ˢ 20ˢ ' 3 1 *0/0"ˢ 2"ˢ ,0 G

-'0#0-2"ˢ 0*ˢ + /"+*ˢ 20ˢ '"' +202+ˢ #0"2+#-0(+-$+-2 0ˢ "ˢ /"3+#-"ˢ 94+ˢ -0"ˢ ,"2 0ˢ :03+# 114*$#0/0"ˢ /+#01ˢ +ˢ ,#"3+ $"*0(*+ . ˢ 94+ˢ 0*ˢ /#0-2+*ˢ . 0**0*ˢ 2+ˢ ' 2020"*(94+ˢ -0"ˢ 0*, #0 . ˢ 0"*ˢ +*$42"*ˢ *4,+# "#+*(,"**4 * ˢ *+#0ˢ "*ˢ +1+ . +-$"*ˢ *' +-$ '"*ˢ +ˢ $+': - '"*ˢ -2 *,+-*03+ *ˢ ˢ 3 20ˢ 2"*ˢ $+ . R ,"*ˢ 2+ˢ :"F+

ˢ #0.&#ˢ ˢ 3 ˢ ; ˢ ˢ (ˢ ˢ T ˢ 7Dˢ "# "#10 ˢ "# AC6A

3 *02 -+# 1+ '0#02+# *" " "-*+1:" 4,+# "# 2+ -*$#4')0" ;1 '0 0 -*1#4''0" *+'4-20# 0 -+*$+ +-4-' 02"<

K -*$#4'/0" *+'4-20# 0 + 0 940 "#.0 ":".+.(+,"# **" .+ #+'+4 "-"#0+ 2+ . ,"#9$ + '".,1+$0 "2+*+-3"13 .+-$" 20 *40 -$+11 /+-' 0('".#+10'0" 0"*+.,#+/"*-+'+**0# "* 203 20(0/# '41$4#0('". .+#' " + 0#$+* +3+ ,"# $0-1" 0;#0-/+# $"2"* "* '"-:+' .+"$"* -+'+**' #"* ,0#0 *0$ * 0G+# +*$H . H

. -*1#020 -"* 1N'+4* 0 -*$#4''0" *+'4-20# 0 " 0--" 2+ AC76 20$0 0 '#+0/0" 2+*$+* +*$0;+1+' #0+-1"* +. "#$4/01(2+'#+$02"* +.' AV 2+ -"3+.;#"

+F0#0"* 0* ,#-' ,0+* 2*,"* /"+* 2+094+11+ 2+'#+$"('".'#+ +#+-' 0 0"* 1N'+4*E +,0**0#+#0"* 2+,"$* 0 *+/4 # ,0**" +,0**" " 0,+# +/"0 .+-$" 2+*$0 -*$4/0" 1$$+#0# 0 -"* 2,1".0* 1+/ *10$ 3"*(94+ *4' '+** 30.+-$+ "#."* +-'"-$#0-2"

(* D >
.' '020 4.0 20* '0,10+* 2"* 2*$# '$"* 02. -*$#01 3"* 2" '"-' $-+-$+ 2" #+ -" + 2" 1$#0.0# :03+#0 4#-' 1N'+4(94+ *+# ' 2+-".' -02"E D " B" 1"'01 "-2+ "# +*$0;+1+' 2"
]' S ' '4#*" 2"* 1N'+4* '"-*$0#' 20* 2*',1-0*(+ 20*'02+ #0* *+/4 -$+*<
A U #0..0$ '0 ,"#$4/4+G0(+ 10$ -0('10** '"* ,"#$4/4+G+*(+ 10$ R -"*
U -/40 #0-'+G0 + -/1+G0(+ 0* *40* /#0#0#00$ '0*
7 S 2+"1"/ 0(/#0..0$ '0 /+#01(+ 1"/ '0
> S "#01 4-3+#*01(
S #$:.+$ '0 + 01/+;#0(/+".+$# 0($# /"-".+$# 0 + 2+*+-:"
S +"/#0,:0(':#"-"1"/ 0(+ :*$"#0
V S #-', "* 2+ ,:N* '0(2+ ':. '0P + 2+ .+':0-'0 0,,1 '020* 0* 0#$+* + " ' "*
S #-', "* 2+ :*$"#0 -0$4#01 0"* #+* #+ -"* 00 -0$4#+G0 0, ,1 '02"* 0* 0#$+* + " ' "*
% S #-', "* 2+ +'"-". 0 ,"1$'0(2+ 02. -*$#0/0" ,4;1 '0(+ 2+ '". .+#' "
A? S #0$"#0(,"+$ '0(+ 1$$+#0$4#0 '10** '0(+*,+' 01.+-$+ 0 ,"# & U/ ['

8 * D :

0 ' 202+ 2+ *;"0 :03+# 2" * 1N'+4*E 4#0 ,"#+ . * +#2 *4;*1 $4 2" ,+1" "11+/ " 2+ ";#+*(*+ '0# '"11"'02" + . *;"0E " "41#" *+#2 '"11"'02" F4-$" 20 0'02+ . 0(20 9401 "# . 0#2 4 . 0 *+'/0"E ,0#1 ' ,0#2 2"* . +* . "* +*$0;+1+' . +-$"*(+ $+#2 + . '" . . 4 . '" . '0 . +* . 0 0'02+ . 0 0 ,# . + #0 '02+ #0 2i+*10

?' 1N'+4 2" "#$" "# . 0#2 4 . 0 *+')0" 20 0'02+ . 0

?' 1N'+4 2+ " . ;#0 *4;*$ $4 #2 " "11+/ " 20* ‖ #$+*(+ "# . 0#2 4 . 0 *+''0" 20 4 3+#* 202+

"* 1N'+4* 2+ *;"0("#$" + " . ;#0 :03+#2 . 0 * 240* '02+ #0* +*,+' 0+*(4 . 0 2+ 1 -/40 /#+/0("4$#0 2+ 1 -/40 011+ 0 . 4 . 2"* 1N'+4* 2+ *;"0 :03+#2 . 0 * 0* 2 *' ,1 -0* 2+ 2 ,1" . 0$ '0("01+"/#0 , : 0(+ $0';/#0,: 0 ‖ #$< UE[UU ['

* D >

,#","#/0" 94+ *+ "#+#0 +*$0;+1+'+-2" "* 1N'+4* -"* 2 *$# '$"*('0#0" -i+11+* +8$ -'$0* 0* . 0 * '02+ #0* 2+ /#+/"(10$.(#+$:"# '0 +, : 1"*",: 0 #0' "-01 + . "#01(0# $;. +$ '0(/+" . +$# 0(/+"/#0,: 0(+ : * $"# 0E J +8'+,$40-2" 0* '02+ #0* +-'"#,"#020* + . +*$0;+1+' . +-$"* + -*$ 4+* +*,+' 0+* 94+ -0" '0 . +8$ -'1"*E J '+ "4$#"* . ,"2+#2 :0R 3+# 4 . 0 '02+ #0 2+ /#0 . . 0$ '0 ,"#$4/4+G0 + 10$ -0 + . '020 4 . 0 20* '0,$0+* 20* 0-1 /0* '" . 0#'0* 94+ -0" *0" :"F+ '0,$0+* 2+ 2 *$# '$" & UM[

. $$ #+ . "* " 94+ 2 G #+*,+ $" 2 * * $ * *< 2 - * * , "#94+ $" 2"* +**+* ";F+'$"* "#0 . . 0 * $0#2+ #+/4102"* 2 +#+-$+ . +-$+(+ 2+ 4 . . "2" . 0 * ,+# 9 $"

?' ,+-*0 . +-$" 2" 1+/ *102"# -" 2+'#+$" 2+ AV 2+ -"3+ . ;#" +#0 0G+# 2"* 1N'+4* 4 . 0 +*,+' + 2+ 0'02+ . 0 2 *$# '$01E + 2‖294 #+*41 $0 . 0* 2 *,"* /"+* *+/4 -$+*<(

03+#2 + . '020 4 . (B1"* 1N'+4* 4 . 0 94+ *+#3 #2 $0 . ;+ . ,0#0 4*" 2"* ,#" +**"#+* + 014 . -"* . 2"* ,#" +**"#+*(-" +02" ,+1" '"-*+1:"(*+#0 " ;;1"1:+'0# "(+ $+#2 4 . " '01 0* *40* "#2+-* ?' ;;1"1:+'0# " $+#2 2+ /#0$)'0/0" F #+ *(+ " " '01 !C #+ * 2+("#2+-02"

03+#2 +#0 '020 4 . 2"* 1N'+4* 4 . $ -* 2+*$ -02" 0* 0,,1'0/"+* 2+ ;"$0-'0(4 . + 4 . 2

& % # &

ˢ 94+ˢ $+#0ˢ 0*ˢ 2 3 *"+*ˢ '"##+*,"-2+-1+*ˢ 0*ˢ 0,,1 '0/"+*ˢ 20ˢ * D ˢ
+ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ J ˢ 020ˢ 4 . ˢ 2‖+*$+*ˢ
+*$0;+1+' . +-$"*ˢ $+#2ˢ 4$-ˢ /40#20('" . ˢ "ˢ "#2+-02"ˢ 2+ˢ " ˢ #+ *
#0ˢ '020ˢ 4#0ˢ 2"*ˢ 1N'+4*ˢ :03+#2ˢ 4 . 0ˢ ˢ ˢ ˢ 2ˢ
ˢ '" . ,#+:+-2+-2"ˢ 0*ˢ 2 *' ,1 -0*ˢ ,# 30$ 30*ˢ 2"ˢ . - *$+# "ˢ ,0#"' : 01(
+ˢ '" . ,"*10ˢ 2/ˢ 240*ˢ '02+ #0*ˢ & ˢ BL+ˢ BF+ˢ ˢ V? S(ˢ ˢ] \ ˢ
. ˢ ,"#10# 0ˢ 2+ˢ I6ˢ 2+ˢ 2+G+ . ; ˢ "#2+-"0ˢ "ˢ /"3+#-"ˢ 0"ˢ 02 . - *ˢ
$02"# /+#01ˢ 2+ˢ *;"0(94+("43 -2"ˢ 01/4-*ˢ ,#" +**"#+*ˢ 2+ˢ -*$#-''0"ˢ
*+'4-20# 0(+ˢ "*ˢ ,+# $"*ˢ '"-3+- +-1+*(-2 '0**+ˢ 940+*ˢ +#0 . ˢ "*ˢ +2 ' "*ˢ
,4;1 '"*ˢ #00 *ˢ ,#",# "*ˢ ,0#0ˢ '"11"'0/0"ˢ 2"ˢ N'+4ˢ 0' "-01ˢ 2+ˢ *;"0
;*+#3"4ˢ "ˢ /"3+#-"ˢ 0"ˢ . +* . "ˢ . 0/ * #02"(94+ˢ 0ˢ *'"10ˢ "# . 01ˢ
. 0# 0f+ˢ "ˢ N'+4ˢ 0' "-01ˢ ,"2 0#0ˢ "''4,0#ˢ "ˢ . +* . "ˢ +2 ' "('" . ˢ
$0-1"ˢ 94+ˢ $ 3+**+ˢ ++$+ˢ *010*ˢ *+,0#020*E) 4+ˢ "ˢ . +* . "ˢ +2 ' "ˢ 2+3 0ˢ '"-$+#
' -'"ˢ "4ˢ *+ *ˢ *010*ˢ ,0#0ˢ 0ˢ 0410ˢ 2"ˢ 1N'+4('" . . "2"*ˢ ,0#0ˢ 4 . 0ˢ ; ;1 "R
$:+'0(4 . ˢ 10;"#01"# "(4 . ˢ /0; -+1+ˢ '" . ˢ $#+*ˢ 2 3 *"+*(+(*+-2"ˢ ,"*ˢ
* 3+1(01/4-*ˢ 1"/0#+*ˢ 2+ˢ :0; $0'0"ˢ 2+ˢ ,#" +**"#+*(+ˢ 014 . -"*ˢ -1+#-"*(+ˢ
01/4#00ˢ ,"#'0"ˢ 2+ˢ $+##+-"ˢ '"-$ /4"(94+ˢ "**+ˢ ,#",# "ˢ +ˢ *4 ' +-1+ˢ ,0#0ˢ
4 . ˢ F0#2 . ˢ +8,+# . +-$01(+ˢ ,0#0ˢ +8+#' ' "*ˢ /N . -0*$ '"*ˢ +ˢ 2+ˢ #+'#+ "

ˢ * ˢ ˢ * ˢ ˢ ˢ ˢ EL ˢ ˢ

*1+ˢ 2+'#+$"ˢ 0G 0ˢ ,0#$+ˢ 2"ˢ , 0-"ˢ /+#01ˢ 20ˢ "#/0- *0/0"ˢ 2"*ˢ +*$4ˢ
2"*ˢ +#0ˢ "#$4/01(94+ˢ "ˢ 3 '+ #+ $"#ˢ 2iˢ - 3+#* 202+ˢ 2+ˢ " . ;#0("ˢ 2"4ˢ
$"#ˢ "*+ˢ 1+80-2#+ˢ 2+ˢ 0 . ,"*(0,#+*+-$"4ˢ 0"ˢ . - *$#"ˢ 2"ˢ #+ -"(2"ˢ ,#+ˢ
'10# ** #0"ˢ 0-4+1ˢ 20ˢ 130ˢ 0**+*E
0"ˢ *+ˢ , 2+ˢ -+/0#ˢ 94+ˢ 0ˢ "#/0- *0/0"ˢ 2"*ˢ 1N'+4*($01ˢ '" . "ˢ "ˢ
2+'#+$020(*01 * 0G 0ˢ 0ˢ 4 . 0ˢ -+'+** 202+ˢ . ,+# "*0ˢ 25+*$+*‖;"**+*ˢ $+ . R
,"*(9401ˢ 0ˢ 2+ˢ . - *$#0#ˢ 0"*ˢ . 0-'+;"*ˢ 94+ˢ -0"ˢ '4#*0#0ˢ "*ˢ +*$42"*ˢ
*4,+# "#+*ˢ "*ˢ '"-;+' . +-$"*ˢ *' +-1 '"*ˢ +ˢ $+':- '"*ˢ -2 *,+-*03+ *ˢ -"ˢ
+*$02" 0'$401ˢ 20*ˢ *"' +202+*ˢ $ ˢ +-$0"(0ˢ -*$#4'/0"ˢ *+'4-20# 0ˢ 1 . ˢ
$030Z*+ˢ 0"ˢ +*$42"ˢ 20*ˢ 1 -/40*ˢ . "#$0*(10$ -0ˢ +ˢ /#+/0(01$0-2" 1:+('" . "ˢ
0'+#$020 . +-$+ˢ *+ˢ 2 Gˢ -"ˢ #+10$"# "ˢ 94+ˢ :0ˢ ,"4'"ˢ ' $0#0"*("*ˢ +1+ . +-$"*ˢ
,#",# "*ˢ ,0#0ˢ ,#"24G #+ . ˢ "ˢ 0,+# + /"0 . +-$"ˢ 20*ˢ 0#$+*(+ˢ "*ˢ ,#"/#+*ˢ
*"*ˢ 20ˢ ' 3 1 *0/0"ˢ 2"ˢ ,0 G
*ˢ 2 *' ,1 -0*ˢ 94+ˢ "ˢ 2+'#+$"ˢ . 0-2030Y(+-* -0#ˢ -"*ˢ 1N'+4*ˢ 0;"-0 . ˢ
0ˢ 0**+#/0"ˢ 94+ˢ 2+ 80 . "*ˢ +*$0;+1+' 20Eˢ +ˢ "#/0ˢ +ˢ '"- +**0#ˢ 94+ˢ 4 . ˢ ,# ˢ
. + #"ˢ +-*0 "ˢ -0"ˢ ,"2+# 0ˢ *+#ˢ . 0 *ˢ 114*1#02"ˢ +ˢ ,#+3 2+-$+ˢ 2"ˢ 94+ˢ +*$+
ˢ 2+'#+$"ˢ '"-$ -:0ˢ "*ˢ +1+ . +-$"*ˢ 20ˢ ;+ . ˢ +-$+-2 20ˢ 1 ;+#202+ˢ 2"ˢ
+-* -"Eˢ -0"ˢ *+ˢ 2+*1+ . ;#030ˢ 2"ˢ +1+ . +-$"ˢ 20ˢ -*,+'/0"ˢ +ˢ *'01 *0/D"ˢ 2"*ˢ
+* 42"*(-+ . ˢ +8'14 0ˢ ,"#ˢ "# . 0ˢ 01/4 . 0 "ˢ ,#"/#+**"ˢ +ˢ "ˢ 0,+# + /"0R
. +-$"ˢ 2+ˢ 4 . 0ˢ $01ˢ -*$ $4 /0"

"2+# 0 $013+G -"10# *+ 01/4 . 0 2+ . 0* 0 -0* ,#", "#/"+* 94+ 2030 0"* 1N'+-*(2+*2+ 94+('" . " F2 ";*+#30 . "*("* ,#+1+-2 0 0,#+*+-$0# '" . " 4 . 0 +*,+' + 2+ 0'02+ . 0* 2 *$# '10+*(,#"3 20* 01+ 2+ ; ;1 "$:+R '0*(2+ F0#2 -*(2+ 10;"#01"# "*(+ 2+ . 4*+4* J ' . 0$+# 0(,"#+ . (2+ -*$#4'/0" ,4;1 '0(* -$" . + *+ . ,#+ '" . 2 *,"* /"+* 2+ -241/+-' 0 ,0#0 '" . " 1+/ *102"# 94+ ,#","#' "-0 . + "* 0;4-20-'+* + 10#/"* 2+ +-* -" 0" 0, ,#"30#+ F0 . 0 * 0* *4,+# 14 202+*E . 0* 0/#020# . + :0 *+ . ,#+ 0 0;4-20-' 0 -5+*$+ ,0#$ '410#

. 0 "4 "4$#0 2 *,"* /0" 25+*$+ 2+'#+1" ,"2+#0 $+# * 2" 2+*0;"-020 ,+10 +8,+# +-' 0E . 0* #+-:4 . 0 ";#0 :4 . 0-0 *0+ 1"/" ,+# + $0 2" ,# . + #" F0'$" " $+ . ," +-'0##+/0 *+ 2+ # . +1:"#0-2" ,"4'" 0 ,"4'" 0* 1+ * + 0* -*$ $4 /;+*(+ 2+(*4;*$ $4 # 0"* +##"* + 2+ + $"* 0-$ /"* 0* N+#202+* + 0* ;"0* #+/#0*

0 2+''##+#0 . F 940#+-$0 + 2" * 0- "* 2+*2+ 94+ 0-4+1 20 130 0**+*(048 1 02" ,"# "*+ 1+80-2#+ 2+ 0 . ,"*(+ "4$#"* " . +-* 114* $#02"*(10-/"4 "* ,# . + #"* 4-20 . +-$"* 2"* 1N'+4* *$0 -*$ $4 /0" " ' '"- # . 020 2+ - 1 30 . +-$+ ,+1" 2+'#+$" '" . 2#/0 2+ 1+ 2+ I? 2+ *+$+ . ;#" 2+ AC>>('" . " 1"/" 3+#+ . "*(+ *4''+** 30 . +-$+ :0 * 2" . + :"#020 + 0,+# + /"020 -" 2+'4#*" 2"* $+ . ,"* 0$+ :"F+

0" -"* ,0#+'+ ," * 94+ 2+30 *+# $#0$02" '" . $0 . 0-:0 *+3+# 202+ 3 '+ #+ $"# 20 - 3+#* 202+("*+ 1+80-2#+ 2+ 0 . ,"*('" . " $#0$0 04'$"# 2"* * + * -+/0-2" 1:+ 0$+ , $ *6 * 6 *

#+ +# 2" 0;#0-/+ -0 . +* . 0 '+-*4#0 0 #+ "#. 0 20 -*# $#4'/0" ,# . 0# 0(*+'4-20# 0(*4,+# "#(+*$0;+1+' 20 ,+1"* 2+'#+$"* 2+ AD + AV 2+ -"3+ . ;#" 2+ AC76E + + '" . #+ +#+-' 0 0"* #+*,+'$ 3;* $#0 ;01:"* 2" -2 '02" 3 '+ #+ $"#(94+,'"-* 2+#0 2+*1 $4 2" 2"* '"-:+' . +-$"* . 0 * 341/0#+*

. $0-2" -"* 0" 94+ +*,+' 01 . +-1+ 2 G #+*,+ $" 0"* N'+4*(2+ 3+# -"**" $" . 0# -"$0 2"* 2+ + $"* 94+ +11+ 0** /# 010<

K +*,+' '0/0" . -4' "*0 2"* ";F+'$"*(94+ -5+11+* *+ 2+3+ .'+- * -0#(0 4- "#0 202+ 25+*$+* ";F+'$"*(*0" "4$#"* $0-$"* ,"-$"*(+ . 94+ 0 1+ ,+''0 8 / # ,0#0 +-* -0# 0 ,0#1+ . 0$1 + . 0$ '0 + , ; 1"*", : '0 2"* 1N'+4* "#. 0$4#0 -0 - 3+#* 202+(+ . 3+G 2+ *+# 4 . 0 /0#0-1 0 0 03"# 2" +-* -"(+ , +1" '"-$#0# " 4 . 0 #+*$# '/0"(94+ " ,#+F42 '0(,"# 94+ 1 . 0 " -4 . +#" 2"* '"-'"##+-$+*(+*10;+1+'+-2" 4 . " -4* ;0*$0-$+ ,+*02" 0 94+ . 4 1"* 2"* . 0 * 2 /-"* -0" ,"2+#0" *0$ * 0G+# "

/4#0 *+ -"* 94+ " 114*$#02" '# $ '" -0" 2+3 0 1+30# 0 . 0 94+ -0 ,# . + #0 1+ 20 '#+0'0" 2"* 1N'+4* *+ +*,+' '0**+ . -4' "*0 . +-$+

"* ";F+'1"* 2" +-* -"(-+ . " ," '"(94+ *+ 2+**+ 4#00 $0 "4 940
4- "# . 202+ 0 +**+ +-* -"
" 94+ #+*,+ $0 0 "# . 0$4#0 ,+10 - 3+#* 202+('" . " #+94 * 1"
,0#0 " . 0/ *$+# " -"* 1N'+4*(-0 ,0#1+ #+*,+'$ 30 D . 01:+ . 0$ '0 + ,: 1"*",: 0('#+ . "* 94+ 4 . 0 1+ ,#" . 41/020 +#0 AC7? -0" ,"2 0 2+ 80# 2+ +8 / # 094+110 '" . " ,+-:"# 2+ 0,$ 20" + . 2 *' ,1 -0* 2 1 '+ * + + ' 0+*(94+ ,"# 094+01+Y$+ -," *" . +-$+ -0 - 3+#* 202+ *+ +-* -030 . #'/410# . +-$+
4$#" #',0#" 0,#+*+-$0 " 2"4$" '# 1 '"(+ 3+#0 0 *+#<
K 2 *,"* /0"(2+ 94+ 0 ,# . + #0 '02+ #0(10-1" 20 0'02+ . 0 2+ *R ;"0('" . " 20Z 2" "#1"("**+ '"#0 . 4 . 0 +*1+* +*10;+1+' -+-1"* + 0" 1N'+4(9 4 . 0 2:094+110* 0;+##0/"+* 2"* ;"-* ,# -' , "*(, * 1 =+b ,"# 011 '" , ,1+10 2" '"-1 '' . +-1" 20* 2"4 $# -0*(*";#+ " 94+ *+ +*10 1+/ *10-2" #2 -0# 0 . +-$+ 0* ,+**"0*(94+ -0" 0,#+' 0 . 0 /+-+#01 202'* 94+ 0* ,0103#0* /+" . +1# 0(01/+;#0(+$' 0;#0-/+ . (' 94+ -0" +*1 " :0; 1 1020* ,0#0 0F4 G0# 20* 2 3+#*0* 2 #+' /4+*(94+ '"-3+ . 20# 0"* +*142"* '"- "##0+ "* 2 +#+-$+* -*(0 94+ +11+* *+ 2 # /+ -(0'#+2 $0 . 94+ " +*$42" 20* . 0$:+ . 0$ '0* ,4#0* + . 4 . 0 4- 3+#* 202+(+ . 4 . 0 0'02+ . 0 2+ . 015 -:0 "4 + . 4 . 1N'+4(2+3+ *+# " . +* . "(+ . 940-$" *+ 011 /+-+# '0 . +-$+ 2+ 0# $; . +1 '0(/+" . +1# 0(01/+;#0 + # /"-" . +$# 0 S
* ";*+#30/"+* 2" 2"4$" '# 1 '" *0" F42 ' "*0*('" . " +#0 2+ +* ,+#0# 94+ " "**+ -2 20 ,0#$+ 2+ 4 . 0'#+2 102" ,#" +**"# 2+ . 01;+ . 0 1 '0*E . 0*(;0*10 94+ 0 0;+##0/0" ,"# +11+ '+-*4#020 *+ $+-1 0 #+,+1 2" -0* 1+ * , ,*$+# "#+* 0 AC76(,0#0 94+ -0" "1:+ . "* *" '" . 2+* 03"# ,0#0 " 2+'#+1" 2+ AV 2+ -"3+ . ;#" 2" 2 $" 0--" 2+ AC76
2+*+-3"13 . +-1" 94+ *+ *+/4+(30+ . "*$#0# -"* 94+ 0" 114*$#02" '# $ '" 0G 0 . ,#+**0" +"-* 2+#0/"+* 2H "4$#0 -014#+G0<
K 0* -" '0 *"(2+ 94+ $#0 0 -"*(,0#+'+(94+ 0 2 *,"* /0" 20 1+ -0" -0*'+4 * . ,1+* . +-1+ 2" /-"#0-' 0E *+ 0** . "**+(+#0 -0$4#01 94+ 0 #+*,+1" 2" N'+4 2+ " ;#0(+ 2" ,# . + #" 0--" 20 0'41202+ 2+ . 01:+ . 0$ '0 *+ 1 3+**+ $"#-02" 4 . 0 +/401 2 *,"* /0"(+ + " 94+ -0 1+ *+ -0" +-'"-1#0<
* 2 94+ 01+ . 20* "41#0* #0G"+*(
2
8
$ < 6
+ ,0**0/+ . 2 #+ . "* 94+ "* * 01 0* '*'# ,$"* ,"# ,+**"0 '" . ,+$+-$+(+*10" 2+ -0* 020#-+- + - 14+-' 02"* ,"1" +*, # $" 2+ # 301 202+(94+ + . 2 3+#*"* ,'# "2"*(2+*2+ AC7>(*+ $+#- ,#"-4-

' 02"ˢ +-$#+ˢ 0 - 3+#* 202+ˢ +ˢ "*ˢ +*10;+1+' . +-$"*ˢ *4,+# "#+*ˢ 2+ˢ -*1#4'ˢ /0"ˢ -0ˢ '0, $01

?ˢ 114*1#02"ˢ 04'$"#ˢ 2"*ˢ * ˢ ,#",+-2+ˢ +8'14* 30#0+-$+ˢ ,0#0ˢ "ˢ 102"ˢ 2ˢ094+11+*ˢ 41$."*(+ˢ 2ˢ094ˢ #+*4 0ˢ "ˢ #010#ˢ '" .ˢ 2+* 03"#ˢ $42"ˢ ˢ 94+ˢ G+#0.ˢ 0-4+1ˢ 20ˢ 130ˢ 0**+*ˢ +ˢ "*ˢ 1+80-2#+ˢ 2+ˢ 0.R ,"*($42"ˢ ˢ 9 +ˢ ,+#1+-'+ˢ >ˢ - 3+#* 202+(0"ˢ ,0**"ˢ 94+ˢ 01+30-$0ˢ >*ˢ -4ˢ 3+-*ˢ 4.ˢ "4ˢ "41#"ˢ :". +#0ˢ 94+ˢ $+.ˢ 0;4-202"ˢ -"ˢ *+-1 2"ˢ 2+ˢ ':0.0#ˢ >ˢ '0, $01ˢ ˢ '+-$#"ˢ +ˢ 0ˢ ,#+,"-2+#0-'0ˢ 2"ˢ +-* -"ˢ *4,+# "#ˢ 0"ˢ "ˢ '+-*4#0ˢ ."*E #+*,+$0#0"*ˢ 0ˢ #0-94+G0ˢ +ˢ +-+#/0ˢ 20*ˢ *40*ˢ '"-3 ''"+*E .0*'#+ˢ &."*ˢ 94+ˢ 0ˢ *40ˢ ;"0ˢ #0G0"ˢ "ˢ '"-24G#0ˢ .0*ˢ '0;01.'-$+ˢ >ˢ .,0#'01ˢ 202+(*+ˢ 0ˢ ,0 80"ˢ "ˢ -0"ˢ 2".-0**+ˢ 2+ˢ $"2"ˢ "ˢ ,"-1"

"0"ˢ +##+ #0ˢ 0.,"*ˢ +*'#+3 0ˢ +.ˢ ACDCEˢ 0ˢ 3 '$"#0ˢ 2"*ˢ *+-*ˢ ,#-ˢ ',"*ˢ -0"ˢ +#0ˢ 0-20ˢ '".,1+$0E.0*ˢ ,"4'"ˢ 2+,"*ˢ 2+3+#0ˢ "ˢ 114*$#02"ˢ '#1'"ˢ +*0#.0*ˢ $#0-94 11"(2+*2+ˢ 94+ˢ 2+*0,,0#+'+4ˢ "ˢ '"-*+11 "ˢ *4,+R #"#(+*$0;+1+'2"ˢ +.ˢ " .;#0('+2+-2"ˢ "ˢ ,0**"ˢ 0ˢ 4.ˢ '"-*+11 "ˢ /+#01(0**+-$+ˢ +.ˢ *;"0ˢ +ˢ 0"ˢ 102"ˢ 2"ˢ /"3+#-"ˢ 0"ˢ "''4110#+."*ˢ 94+ˢ 0G+ˢ ."*ˢ 0114*0"ˢ 0"ˢ 94+ˢ -5+*1+ˢ ,0#$ '410#*+ˢ 2 G0ˢ -"*ˢ * ˢ+ˢ * ˢ 2+*+F030."*ˢ 94+ˢ "ˢ 114*$#02"ˢ '#$'"(-0ˢ *40ˢ -'"-$+*$03+1ˢ ;"0ˢ (ˢ '0**+ˢ .0*ˢ *0$*+$"(+.ˢ ,#+*+-/0ˢ 2"*ˢ .+1:"#0.+-$"*ˢ 94+ˢ 0ˢ -"30ˢ "#ˢ 2+.ˢ 2+ˢ '" *0*ˢ "1 +#+'+# 0ˢ 0"ˢ *+4ˢ +*, #$"

0* ˢ 30#0"*ˢ 3+#(-0ˢ *4''+** 30ˢ *+# +ˢ 2+ˢ 0--"*ˢ 0$+ˢ :"F+(0*,#"ˢ 3 2+-'0*ˢ 94+ˢ "*ˢ /"3+#""*ˢ $++.ˢ $"#-02"ˢ 0ˢ #+*,+$"ˢ 2"*ˢ 1N'+4*

#6

ˢ ,"#$0#0ˢ 2+ˢ A 2"ˢ +3+#+ #"ˢ .0-2"4ˢ 0;# # -"ˢ N'+4ˢ 2"ˢ "#$"ˢ 0 '02+ #0ˢ 2+ˢ 2+"1"/ 0(/#0..0$ '0ˢ /+#01ˢ +ˢ 1"/ '0(+.ˢ *4;*$ $4 +0"ˢ 20ˢ '0ˢ 2+ #0ˢ 2+ˢ ,:1"*",:0ˢ #0' "-01ˢ +ˢ ."#01

ˢ 2+'#+$"ˢ 2+ˢ ˢ 2+ˢ -"3+.;#"ˢ 2+4ˢ ,#"3 2+-'0*ˢ ,0#0ˢ "ˢ *+/4 .+-$"ˢ 20ˢ -*$#4''0"ˢ *+'4-20#0ˢ +.ˢ *;"0ˢ 0$+ˢ >ˢ +1 +'$ 30ˢ +8+'4 0"ˢ 2"ˢ 2+'#+$"ˢ 2+ˢ AV 2+ˢ -"3+.;#"ˢ 2+ˢ AC76

0 Lˢ +#.0-+'+# 0.ˢ -$+# -0.+-$+ˢ 0*ˢ 0-$ /0*ˢ +*'"10*ˢ /+#0+*ˢ 2"*ˢ +*ˢ $42"*ˢ #0+-"#+*ˢ 20ˢ '0, $01(0$+ˢ >ˢ 2+1 - $ 30ˢ "#/0- *0'0"ˢ 2"*ˢ 1N'+4*

ˢ I Sˢ '0#0ˢ +/401.+-$+ˢ *4;* *$ -2"(0$+ˢ 0"ˢ +*10;+1+' .+-$"ˢ 2"*ˢ 1N'+4*(ˢ 0-$ /"ˢ '"#0. **0#"ˢ 2"*ˢ +*$42"*ˢ 20ˢ '0, $01(#0.+2 0$0.+-$+ˢ *4;"#2 -02"ˢ 0"ˢ '"-*+1:"ˢ /+#01ˢ +ˢ 2 #+'$"#2"ˢ +-* -"ˢ ,#.0#"ˢ +ˢ *+'4-20ˢ # "

Sˢ 02.-*$#02"#/+#01(2+ˢ 0'"#2"ˢ '".ˢ "ˢ '".. **0#"ˢ 2"*ˢ +*

$ 2"*(+*'"1;+# 0 +-$#+ "* 2 3+#*"* +2 ' "* ,4;1 '"* 094+11+* 9 + ,0 #+'+**+ . . 0 * 0,#",# ;2"* ,0#0 0 '"11"'0'0"(0** . 2"* -"3"* 1N'+4*('" . 20* +*'"10* /+#0+* 2"* +*1 2"* . +-"#+*

>S ?. +* . 2+'#+1 #+/41030 0 '"-*+#30/0 + -*,+' 0 20 0410 2 '" . . +#' "

+F0< + 0- 2+ AC7V

"3 5+*$0 0- 0 2+ . "* -"1 ' 0('" . #+ +#+-20 0 #+ -02 2+ "*+(- $" . (,0/ IV7 0 IC?E -$" . (,0/ 7V 0 >I(0,"-$0 . "* 92+ *+ -"* " +#+'+4 01 ACI6E -$" . 3(,0/ IIV + IIC 1" . 0 . "* -"$0 2+ 94+ "'"##+4H-0 #+/+-' 0 2+ ACI6 0 ACIC -$" . 3#(,0/ AV AC(#+/ *$0 . "* 94+ ,+#1+-20 0 #+/+-' 0 2 2494+ 2+ #0/0-X0E + -00 . +-1+Z- . +* . $" . 3 (,0/ I>C 0 I"7 411 . 0 . "* 0* -"$ ' 0* #+101 30* 0 +*$0 0410 0$+ *+# 0--+8020 0" N'+4 0' "-01 2+ *;"0

%

. ,"#$0# 0 2+ AV 2+ *+$+ . ;#" "#2+-"4 " /"3+#-" " *+/4 -$+< A U '"-*+1;" /+#01 2 #+'$"# Z2" +-* -" ,# . 0# " + *+'4-20# " $" #00#2 0* 2 *,"* /"+* '"-3+, +-$+*(* < * 2 D " : 0;# -2" 2+*2+ F0 " '"-'4#*" ,0#0 " ,#"3 . +-$" 20* #+*,+'1 30* '02+ #0* $. +* . " '"-*+1;" - "# . 0# *+ " +2 ' " 2" '"11+/ " 20* 0-R $+* $+#- *4 ' +-$+ '0,0' 202+ ,0#0 *+# 01 '"11"'02" " N'+4 0' "-01(*+ . + . ;0#/" 2+ *+ 0':0# 2+*$ -02" ,0#0 094+11+ -"3" +*$0;+1+' . +-$" +8$ -'$" '"11+/ " 2"* +-$"*('" . " *+ +G *0;+# 0" /"3+#-02"# ' 3 1 ,"# ,"#$0# 0 2+ D 2+ -"3+ . ;#" 2+ AC77

7 $?' '"-*+1;" /+#01 2 #+'$"# ,#","#0 940 2"* +2 ' "* -0' "R -0+* + . 0 * ,#",# " ,0#0 0 '"11"'0/0" 2" N'+4 2, "#$"(+ 2+ 0' '"#2" '" . "* 02 . - *1#02"#+* /+#0+* 2094+11+ 2 *$# '1"(+ 2" 2+ " . R ;#0(#+ . +$$+# 0" . - *1+# " 2" #+ -" ,#"/#0 . . 0 20* ";#0*(+ " "# /0 #+- " 20* 2+*,+G0* -+'+**0# 0* ,0#0 0 '"11"'0'0" 2"* #+ +# 2"* 1NR '+4* -5094+11+* 240* ' 202+*

>' $?' '"-*+1;" ,#","#> +/401 . +-$+ 0* "$ 1#0* ,#"3 2+-' 0*(94+(,0#0 " ,#" . ,$" '4 . ,# . +-$" 25+*$0* "#2+-*('0#+'+#+ . 20 0, ,#"30'0" 2"/"3+#-"

-0 IC 2+ 2+G+ . ;#" -0" $ -:0 0 -20 " '"-*+1;" #+*,"-2 2" 0" /"3+#-"E 2+ *"#1+ 94+ "#2+-"4 +*$+ -5+**0 20$0(94+ " 02 . - *$#0 2"# /+#01 2" "#$"(2+ 0'"#2" '" . '0 '0 . 0#0(,#" . "3+**+'0 '"11"'0'0" 2" 1N'+4 -0 '02+ . 0 "1N$+': - '0

J : 8 J

. I7 2+ "4$4 ;#" . 0-2"4 " /"3+#-" 94+ " '"-*+1:" /+#01 2 #+R
'$"# 2" +-* -" ,# . 0# " + *+'4-20# " 2+'10#0**+(+#0 $"20* 0* *40* ,#"
,"*$0* ,0#0 0 -" . +0/0" 2"* ,#" +**"#+* 2"* 1N'+4* + "41#"*(*+ 1
- :0#0 * 2" ,#+'+2 20* 2" '"-'4#*" + +80 . + 2+1+# . -02"* ,+10 1+

, "#10# 0 2+ AC 2+ -"3+ . ;#" 20 4#00 2+0 '0;01 20 :+* 10/0"
+ 243 20* 94+ "'''##+#0 . 0'+#'0 2" +*$0;+1+' . +-1" 2"* 1N'+4*
* 094 " 94+ " /"3+#-" '" . . 4- '030(-50942110 20$0(0" '"-R
+1:" /+#01 2 #+'$"# 2" +- -" ,# . 0# " + *+'4-20# "‹
A S * ,#"F+'$"* 94+ " '"-*+1:" /+#01 2 #+'$"# +43 0#0 0 +*$+ .
*$+# " '" . 0 *40 '"-$0 2+ 7 2+ 2+G+ . ;#" 2+ AC7C *";#+ 0 #+ "# . 0
20 -*$#4'/0" ,# . 0# 0 + *+'4-20# 0("#0 . ", ,"#$4-0 . +-$+ #+ . +$$ 2"*
> '0 . 0#0 2"* 2+,4$02"*(94+(Z-0" ':+/0-2" 0 2 1 ;+#0# *";#+ 0 . 0$+R
0 +*,+' 01 2"* 2 $"* ,#"F+'$"*('"-'"##+4 ,0#0 0 + $4#0 20 1+ 2+
7A 2+ F41:" 25+*$+ 0--"(,+10 9401(+ . '"- "# . 202+ 2" ,0#+'+# -4 .
AD7 20 '" . . **0" 2+ -*$#4'/0" ,4;1 '0(-*+#$" -" 0# " 2" "3+#-"
-4 . I?>(*+ * D
*

$ '"-*+1:" /+#01 2 #+'$"#(6 9 , -2
* (* * 2
* $ +-3 0#2 0 +*$+ . - *$+# 2(
0$+ 2+ 2+G+ . ;#" ,#"8 . " 4$4#"(4#- #+10$"# " 94+ '" . ,#+:+-20
+*$+ ";F+'$" + ;+#0 0** . " +*$02" 20 -*$#4'/0" ,# . 0# 0 + *+'4-20# 0
2+*2+ " 0--" ,0**02" 0$+ 0" ,#+*+-$+('"-$+-2" 0* '04*0* 2" *+4 ,#"
/#+**" 24 2+'02+-' 0E " 94+*+# 0'" . ,0-:02" 20 '" . ,+$+-$+ +*0 *
$ '0 2"* #+*,+'$ 3"* +*$0;+1+' . +-$"*(0 2 . 2+ *+# $42" ,#+*+-$+ +* '"#
$+* -0 *40 ,#"8 . 0 #+4- 09
7 $? . +* . " '"-*+1:"($+-2" + . 3 *$0 0 ' $020 1+ 2+ 7A 2+ F41:"
+ ,0#+'+# #+*,+'$ 3+ 20 '" . . **0" 2+ -*$#4'/0" ,4;1 '0(-$+#,"#
0 *40 ", - 0"(*+ * * D EL
EF\B * D
"4 0 2 *,"* /0" L EF\F ,
6 ,

, "#$0# 0 2+ AC 2+ -"3+ . ;#" . 0-2"4 94+ " 2 #+'$"# 20 '02+R
. 0 "1N$+':- '0 2" "#$"($+-2" + . 3 *$0 0 '0,0' 202+ 2" +2 ' " #+*
I ,+'$ 3"(+ ,#"'4#0-2" '"-' 1 0# "* -$+#+**+* 20 -*$#4'/0" '" . "* 2+
+'"-" . 0 20 0G+-20 ,4;1 '0(,"# . + " 2+ 4 . 0 #+11+'$ 20 + ;+ . '" .
; -020 2 *$# ;4 /0" 2+ $+ . ," + +8+#' ' "* 1 $$+#0# "*(- "# . 0**+(*
D * 2 ,

' ' 0 -20 94+ ,0#0 **" "**+ ,#+' *+ 0G+#+ . *+01/4-* #+,0 #"*( ) ,+94+-0* ";#0*

2+'#+$" 2+ AC 2+ -"3+ . ;#" 2+0 0** *+/4 -$+* ,#"3 2+-' 0* '+#'0
' ' D ' ' : >
A ' S ' "02+ #0 2+ . "#01 4- 3+#*01 -" 1N'+4 *'# 0 *-, ,# 20 ,+10 7 = '02+ #0 2" . +* . " 1N'+4(+' ,+10 '02+ #0 2+ 2 #+ 1" -0$4#01 -0 - 3+# ' * 202+
I ' U ' '02+#0 2+ 0# 1: . +$ '0(+' 01/+;#0(/+" . +1# 0(# /"-" . +1# 0(+' 2+*+-:"(-"(1N'+4(*+# 0 *4, ,# 20 ,+10 ' U '02+ #0 20 0'41202+ 2+ . 0$:+. 01 '0
7 ' Z ' '02+ #0 2+ ,# -' , "* 2+ , :N* '0(+$' (+' 0 2+ : *1"# 0 -0$4R #01(+$' ' *+# 0 . ' *4, ,# 20* ,+10* '02+1#0* 94+ :+* '"##+*, "-2+**+ . ' -0 0'41202+ 2+ , : 1"*", : 0
> ' S ' ('02+ #0 2+ ,# -' , "* 2+ +'"-" . 0 ,"1 $ '0(02 . - *$#0/0" + ' " . . +#' "(-" 1N'+4(*+# 0 *4, ,# 20 ,+10 7 Z '02+ #0 20 0'41202+ 2+ 2 #+ $"
* 014 . -"* 2" 1N'+4 2+ " . ;#0 ,"2+# 0 . ' . 0$# '410# *+(+' 0,#+- ' 2+# -0 - 3+ ' * 202+ 0* 2"4$# -0* 20* '02+ #0* 94+ '0 . ' . +-' "-020*('" . ' 0 9401 202+ 2+ J ?' N'+4 0' "-01 2+ " . ;#0 *+# 0 '"1 1"'02" -" +2 1' " + . ' 94+ +*$030 " "11+/ " 20* -$+*

' ,"#$0# 0 2+ I7 2+ -"3+ . ;#" 2" . +* . " 0--" . 0-2"4 94+ +- ' #0**+ 1"/" + . ' +8+#' ' " " ,#" +**"# -" . +02" ,0#0 0 '02+ #0 20* 1 - ' /40* #0-'+G0 + -/1+G0 -" 1N'+4 2+ " . ;#0 3+-'+-2" *" . +-$+ " "# ' 2+-02" 20 1+ ' 2+, " * 2+ 0,#+*+-$0# 0 *40 '0#$0
$0 '02+ #0 2+3 0 '"- 2+#0# *+ 0--+8020 0" "11+/ " 20* #$+*(+ . ' 940-$" " 1N'+4 -09 +*$ 3+**+ 2+$ - 1 30 . +-$+ +*$0;+1+' 2"(+-$#0-2" ' ,#" +**"# + . ' "1:0 '" . ' "* "4$#"* 2" . +* . " '"11+/ "
+3 0 ,#"'+2+# *+ > 0;+#$4#0 20 '" . ,+$+-$+ . 0$# '410(2+* /-0- ' 2" *+ 01 >* 4#- ,#0*" ,0#0 " *+4 +-'+##0 . +-$"
. 940-$" 0 ,#", -0* +8 / # *+ : 0 . ' 0* '"##+*, "-2+-$+* > . 0$# '410 20* 0410* 2" "11+/ " 20* #1+*

+10 ,"#$0# 0 2+ AW 2+ 2+G+ . ;#" 2+'10#"4 +' "#2+-"4 " /"3+#-" ' *+/4 -$+<
AS)4+ ,"# 2+'#+$" 2+ AV 2" . +* . " +G +' 0--" 1 -:0 . ' * 2" :" . +02"* ,0#0 0* '02+ #0* 2" 1N'+4 2+ " . ;#0 "* ,#" +**"#+* 2" +8$ -'$" "11+/ " 20* #$+*('"-$+ . ,102"* -0 ,#", "*$0 2" . +* . " '"- ' *+1:"

I ' $) 4+' ' '"-*+1:"(2+' 0''"#2"' '" .' "' 3 '+ #+ B"# 20' - 3+#* 202+(
G+**+' '"-*$ $4 # 2+ - $ 30 . +-$+' "' N'+4' 0' "-01' 2+' " . ;#0E #+/4 '
10-2" *+' -5+*$+' ";F+'$"' ,+10*' 2 *,"* /"+*' 2"*' 2+'#+$"*' 2+' AV' 2+' -" '
3+#0;#"' 2+' AC76(' +' AC' 2+' -"3+ . ;#"' 2"' AC7W(' +' +#0' :0# . "- 0' '" .' 0*'
"#2+-*' "8,+2 20*' ,+1"' /"3+#-"
7 ' $) +' "*' ,#" +**"#+*(' 94+' -0"' ,"2+#0$#' *+#' + . ,#+/02"*' -"' 1NR
'+4(' '0**+#0' 022 2"*' 0' +**+' +*$01 +1+' . +-$"(' '"-$ - 0-2"' 0' 0G+#' "'
. +* . "' *+#3 /"' 94+' 0$+' +-10"' 0G 0#0' -"' "11+/ "' 20*' #1+*(' "-' 094+11+'
94+' :+*' "**+' 2+* /-02"' ,+1"' '"-*+1:"(+ .' 940-$"' +11+*' - "' "**+ .' 2+'
"41#"' . "2"' 1+/01 . +-$+' +#- ,#+/02"*
> ' $) 4+' +*$0' ,#"3 2+-' 0' +#0' +81+-* 30' 0' 940+*94+# ,#" +**"#+*'
2+' '02+ #0*' +8$ -'$0*(' "*' 940+*' 2+3 0 .' *+# ,"*$"*' 2+*2+' 1"/"' + -' + +'
'1 3"' *+#3 /"(' '" . "' . +1:"# '"-3 + *+' 0"' +-* -"' ,4;1' "
D ' L') 4+' ' '"-*+1:"' #+ . +$$+**+' 0"' ,0 - *$+# "' 2"' #+ -"' 4 . 0#+10/0"'
2"*' ,#" +**"#+*' 94+' +*$ 3+**+ .' -0*' ' #'4 . *$0-' 0*' 2"' 0#$ /"' 0-$+'+'
2+-$+E 0G+-2"' 2 *1# ;4 # ,+1"*' 2 *$# '$"*' 20' '0, $01' "*' ,#" +**"#+*' 2"'
"11+/ "' 2+' ";#+*(' +' 2"*' 0-1 /"*' +*$0;+1+' . +-1"*' 1 1$+#0# "*' + .' *R
;"0(' ,0#0' '"-1 -40#+ .' 0' 1+#' '"-3+- +-$+ . +-$+' 0*' 2 *' ,1 -0*' 94+' 1 3+*'
+ .' 0$+' +-10"' +- -02"E +' +8,+2 -2"(' *+ .' ,+#20' 2+' $+ . ,"(' 0*' -*$#4' '
/"+*' 94+' "**+ .' -+'+**0# 0*(' ,0#0' 94+' +*$0' ,#"3 2+-' 0' 1 3+**+' ,#" .'
,$ ** . 0' +8+'4/0"

'

' ,"#$0# 0' 2+' 7A' 2+' 0-+ #"' . 0-2"4' ,"# 0' '"-'4#*"' 0*' '02+ #0*'
2+' ,: 1"*", FF0' #0' "-01' +' . "#01(' +' 2+' #:+1"# '0' 2+' 0 . +/"(' '0-2"' 1" '
203 0' "*' ,#"3 2+*' *4F+ 1"*' 0*' 01$+#0/2+*' 94+' ,"2+**+ .' #4*41$0# 20' '#+0'
/0"' +' +*$0;+1+' . +-$"' 2"*' 1N'+"*

' ,"#$0# 0' 2+[I6' 2+' +3+#+ #"' . 0-2"4<
A ' $) 4+' "*' ,#" +**"#+*' 2+' +-* -"' ,# . 0# "' +' *+'4-20# "' G+**+ .'
'"-*$0# -0' *+'#+10# 0' 2"' '"-*+1:"' /+#01' 2 #+'$"#(' 2+-$#"' 2"' ,#0*"' 2+' 6?'
2 0*(' 2+*2+' 0' 20$0' 2"' 2 ,1" . 0(' ,"#' '+#1 20"' 2"*' 02 . - *$#02"#+*' 2"'
'"-'+1:"(' "4' 20*' #+*,+'$ NO*' 0 . 0#0*' #04- ' ,0+*(' +*$0#+ .' 2+' ,"**+' +'
-0' #+/+-' 0' 2+' *40*' '02+ #0<
' $ *' #0+* . "*' ,#" +**"#+*' #+ . +$$+# 0 .(' -"' 2 0' AD' 2+' *+$+ . ;#"'
2+' '020' 0--"(' 0"' '"-*+1:"' 2 #+'$"#(' "' . 0, ,0' 2+' *+-*(' 2 *' ,41"*(' "#'
. 02"' ,+1"' +8+ . ,10# 94+' ,0#0' +**+' .' +*$030' . ,#+**"
7 ' $ 0*' "1:0*' 2"*' "#2+-02"*' -0"' *+# 0 .' -'14 2"*' 094+11+*' ,#"R
+**"#+*' 94+(' 01+ .' 20*' ";# /0/"+*' 0$+' '-$0"' +8 / 20*(' -0"' $ 3+**+ .' '4 .'
,# 2"' 0*' 94+' '0 .' +80#020*

ˢ ,"#$0# 0ˢ 2+ˢ Wˢ 2+ˢ 0;# 1ˢ . 0-2"4ˢ 94+ˢ "ˢ 3+-' . +41"ˢ "ˢ ,#" +*ˢ *"#+*ˢ +ˢ . 0 ˢ + . ,#+/02"ˢ 2"ˢ 1N'+4ˢ 2+ˢ " . ;#0ˢ "**+ . ˢ ,#"3 *"# 0 . +-1+ˢ 0;"-02"ˢ -0ˢ "1;0ˢ /+#01ˢ 20ˢ - 3+#* 202+(ˢ '" . "ˢ "ˢ +#0 . ˢ "ˢ 2"ˢ "11+/ "ˢ 20ˢ #1+*

?ˢ 2+'#F$"ˢ 2+ˢ I7ˢ 2+ˢ *+$+ . ;#"ˢ 2+4ˢ 0ˢ *+/4 -$+ˢ ,#"3 2+-' 0*(ˢ 94+ˢ 01 0ˢ "#0 . ˢ 2',"ˢ *4;*1 $4 20ˢ ,+1Dˢ 2"ˢ 2+'#+1"ˢ 2+ˢ ˢ 2+ˢ -"3+ . ;#"ˢ 2"ˢ . +* . "ˢ 0--"<

A ˢ Sˢ ˢ ,#/ +**"#+ˢ 94+(ˢ ,"# 2+'#+1"ˢ 2+ˢ A>ˢ 2+ˢ F41;"ˢ 2+ˢ AC7C(ˢ " ˢ 5#0#0ˢ -" . +02/ˢ ,0#0ˢ "ˢ N'+4ˢ 0' "-01ˢ 2+ˢ *;"0(ˢ 20#0"ˢ 0ˢ *40ˢ ,#+ˢ 1+')"+ˢ -"ˢ +2 ' "ˢ 2+ˢ ˢ "0"ˢ +,". 4'+-"(ˢ "-2+ˢ 2+3+ . ˢ 0G+# *+ˢ "ˢ #+ˢ ,0#"*(Z+ˢ ";#0ˢ ,0#0ˢ **"ˢ -+'+**0# 0*

I ˢ Sˢ ;# # *+#:0"ˢ 2+*2+ˢ 1"/"ˢ 2"$+ˢ '4#*"ˢ 2+ˢ -*1#4''0"ˢ *+'4-20# 0< 4#-ˢ -"ˢ +2 1 ' "ˢ 2"ˢ 0-1 /"ˢ +*10;+1+' . +-$"ˢ 2+ˢ +1+ . (ˢ +ˢ "41#"ˢ -"ˢ +2 ' "ˢ 2+ˢ ˢ '+-1+ˢ 2+ˢ "#0(ˢ -0ˢ +81#+ . 202+ˢ "# +-10ˢ +ˢ "'' 2+-$0ˢ 2+ˢ *;"0(

7 ˢ Sˢ +#2ˢ 01+ . ˢ 2ˢ *$"ˢ '"11"'020ˢ + . ˢ '020ˢ 4#-ˢ 2"ˢ #+ˢ 2 *$# '$"*(ˢ I S >Sˢ +ˢ DSˢ 2ˢ+*10ˢ '0, $01(ˢ 4 . 0ˢ 0410ˢ 2"ˢ . +* . "ˢ +-* -"

> ˢ Sˢ ˢ 2 *' ,1 -0ˢ 94+ˢ ;0"ˢ 2+ˢ 1+# *+ˢ -0ˢ +*'"10ˢ +ˢ 0410ˢ . +-' " ˢ -020ˢ -"ˢ 0#$ /"ˢ 0-$+'+2+-$+ˢ(ˢ +ˢ ;+ . ˢ 0** . ˢ "ˢ ,#" +**"#+ˢ 94+ˢ 2+3+ . ˢ #+/+#ˢ 0ˢ #+*,+'$ 30ˢ '02+ #0ˢ(ˢ 30"ˢ 2+* /-020ˢ -0ˢ #+10/0"ˢ 94+ˢ ;0 80ˢ '" . ˢ +*$+ˢ 2+'#+1"ˢ "2"ˢ +*$+ˢ ,#" +**"#+*(ˢ . +2 0-$+ˢ 0ˢ '"-3+- +-1+ˢ -ˢ *$#4')"+ˢ 2"ˢ '"-*+1:"ˢ /+#01(ˢ ,0**0#0"ˢ . . +2 0$0 . +-$+ˢ 0ˢ $+#ˢ +8+#' ' "ˢ -0ˢ '02+ #0ˢ 94+ˢ '0#+ . ˢ 0ˢ *+4ˢ '0#/"

D ˢ Sˢ ˢ 1 -/40ˢ 0#0;+ˢ '"-$ -40#2ˢ 0ˢ *+#ˢ +-* 4020ˢ -"ˢ +2 ' "ˢ 20ˢ 'OR 2+. 0ˢ +01ˢ 20ˢ ' +-' 0*

ˢ ,"#$0# 0ˢ 2+ˢ 7ˢ 2+ˢ 0/"*$"ˢ "#2+-"4ˢ 94+ˢ 0ˢ '02+ #0ˢ 2+ˢ , : 1"*", : 0ˢ +ˢ #:+$"# '0ˢ 20ˢ ' 202+ˢ 2+ˢ "-$0ˢ +1/020ˢ "**+ . ˢ #+/ 20ˢ* . 41$0-+0 . +-$+ˢ ,"# 2" ˢ ,#" +**"#+*(ˢ '" . "ˢ +*$030ˢ 2+$+# . -02"ˢ ,+10ˢ 1+ˢ 2+ˢ ˢ 2+ˢ -"R 3+ . ;#"ˢ 2+ˢ AVVIEˢ *+-2"ˢ ,#"3 2+ˢ ,"# '"-'4#*"(ˢ -0ˢ '"- "# . 202+ˢ 2"ˢ 2+'#+$"ˢ 2+ˢ AVˢ 2+ˢ -"3+ . ;#"ˢ 2"ˢ AC76

. ˢ ,"#$0# 0ˢ 2+ˢ A?ˢ 2+ˢ "4$4;#"ˢ #+*'13 0ˢ "ˢ /"3+#-"ˢ 01/4 . 0ˢ 243 20ˢ 94+ˢ"'"##+#0 . ˢ '" . ˢ #+ +#+-' 0ˢ 0"ˢ 1N'+4ˢ 2+ˢ " . ;#0(ˢ 2'+#'"ˢ ˢ *) ˢ ˢ ˢ ˢ ˢ * ˢ * ˢ * ˢ ˢ ˢ 2 (ˢ ˢ ˢ +$'ˢ ˢ *ˢ 094ˢ 0ˢ #+*"14/"+*<

ASˢ *ˢ 2 *,"* /"+*ˢ 2"ˢ 0#$ /"ˢ 67 Sˢ 2"ˢ 2+'#+$"ˢ 2+ˢ AVˢ 2+ˢ -"3+ . ;#"ˢ 2+ˢ AC76(ˢ 94+ˢ *0"ˢ /+#0+*ˢ ,0#0ˢ $"2"*ˢ "*ˢ 1N'+4*(ˢ 2+3+ . ˢ *+# +8+'4$020*ˢ -"ˢ 2+ˢ " . ;#0ˢ '" . ˢ 0*ˢ ."2 '0/"+*ˢ 94+ˢ -+'+**0# 0 . +-1+ˢ *+ˢ 2+24G+ . ˢ 2"ˢ 0# /"ˢ (>7 Sˢ 2"ˢ . +* . "ˢ 2+'#+$"

B) 4+# 2 G+# 90+ ' ' * ' ' D ' '0 . ' *4 ;"#2 -0 '
2"*' 0"' ,# - ' , "' 2+' 94+' ' D ' ' : ' ' ' : ' '
' ' ' ' ' ' <

I ' S?' #+ $"# 20' - 3+#* 202+' ' $0 . ;+ . ' #+ $"# 2"' 1N'+4' 2+' " . R
;#0('" . ,+$ -2" :+' ,#+* 2 #' 0"' *+4' '"-*+1: "(+' +8+#'+# $"20*' 0* . 0 *
4-') "+*(94+' ,+1"' 0#$ /"' S+' "41#"*' 2"' 2+'#+$;' 2+' AV +' -"3+ . ;#"'
2+' AC76' ,+#1+-'+ . ' 0"*' #+ $"#+*' 2"*' 1N'+4*' -0'F"-0+*
7 ' S *' . 0$# '410*' -0*' 0410*' 2"' 1N'+4' *+#0"' #+/ 1020*' ,+1"' #+ $"#
20' - 3+#* 202+' +' +80#020*' -"' 1 3#"' '" ,+$+-$+' ,+1"' *+'#+$0# "' 2+110'
2+N+-2"' 0*' ,#", -0*' 2+' 94+' $#0$0' "' 0#1 /"' 6I S' 2"' ' $02"' 2+'#+$"' *+#
0##+'02020*' ,+1"' $:+*"4#+ #"' 2+' 94+' $#0$0' "' 0#$ /"' S 2"' 2+'#+$"' 2+'
D' 2+' 2+G+ . ;#"' 2+' AC76
> ' S *' ,#" +**"#+*' 2"' 1N'+4' 2+3+ . ' '"-* 2+#0# *+((+-'"#, "#02"*' -"
/#0-2+' +*$0;+1+' . +-$"' 4- 3+#* $0# "(/"*0-2"' 20*' 1 "-#0*' +' ,#+#"/0$ '
30*' 2"*' 1+-$+*(-0' "#. 0' 2"' 0130#0' 2+' A6' 2+' +3+#+ #"' 2+' A6D7 ' *' " '
:0*' 2"*' *+4*' 3+-' . +-$"*(+' 20*' 2+*, +G0*' 2"' . +* . "' 1N'+4' :0"' 2+' *+#
,#"'+**020*' +' ,0/0*' '" . "' $"20*' 0*' "4$#0*' 20' - 3+#* 202+
D ' S *' +*$420-$+*' 94+' 94 G+#+#0' #+94+-$0# 0*' 0410*' 2"' 1N'+4' '" . "'
"43 -$+*(*+#0"' 02 . $$ 2"*' 0' +110*(4 . 0' 3+G' 94+' *+' ";*+#3+ . ' +80'$0 '
. +-$+' 0*' #+/#0*' 1 $$+#0# 0*' +' 2 *' ,1 -0#+*' 94+' :"43+#(+*'# ,10*' "4' '"- '
4+$42 -0# 0("4' "#+ . ' ,#+*'# ,$0*' ,+1"*' ,#" +**"#+*(0*' 940+*' 2+3+ . '
*+#3 # 2+' #+/ . +-$"' ,#"3 *"# "' 20*' . +* . 0*' 0410*
' S *$+*' "43 -$+*(-0"' *+-2"' 3+#202+ #9*' 014#0-"*' 2"' +*$0;+1+' R
. +-$"(-0"' ,"2+ . ' *+# 02 . $$ 2"*' 0' +80 . +' *+ . ' *+' . "*$#0#+ . ' . 0$# '
'4102"*
V ' S *' [,#" +**"#+*' 2"' N'+4' 0' "-01(+. ' 94+' -0"' :"43+# +*$4R
20-$+*' . 0$# '4102"*(-+ . ' "43 -$+*(-0"' ,"2+#0"(,"# +*$0' 01$0(94+' :+*
-0"' +' . ,4$03+1(,+#2+# "' *+4' "#2+-02"E +' $"203 0(,0#0' 94+' -0"' ,+# '
. 0-+'0 . ' "' "*"*(2+3+' "' ,#+102"' 20' - 3+#* 202+' ,#', "# "' . "2"' 2+'
*+' 0,#"3+ $0# . +1:"# "' *+#3 '+' 2+11+*' '" . ' -$+#+**+' +' 30-$0/+ . ' ,4;1 '0

. ' ,"#$0# 0' 2+' IV(2+' "4$4;#"' 2030' "' /"3+#-"' 0*' *+/4 -$+*' ,#" '
2+-' 0*(+. ' , ' ' 2 ' ' ' ' ' 2+*'
1 -020*' ,0#0' -*$#4''0"' 2"' '‖+#"(-"' D ' '
AS' . ' 940-$"' *+' -0"' "#/0- *0# 2+ - $ 30 . +-$+' "' N'+4' 0' "-0'
20' ' 202+' 2"' "#$"(*+#0"' 0;+#$0*' ,#"3 *"# 0 . +-$+' 9%094+11+' +*$0;+1+R
' . +-$"' 0*' 240*' '02+ #0*' 20' '10**+' 2"*' +*$42"*' +''1+* 0*$ '"*('#+020*
,+1"' 0#$ /"' V? S' 2"' 2+'#+$"' 2+' AV' 2+' -"3+ . ;#"' 2+' AC76(0G+-2" *+'
+ . ' 4 . 0' 2%+110*' 0' 1+ $4#0' 2+' $:+"1"/ 0' 2"/ . 0$ '0(+' -0' "4$#0' 0' 2+' $:+" '
1"/ 0' . "#01

' ' ' ' 5 ' ' : ' ' ' ' ' A
' * ' ' * ' ' ' H' ' ' ' EF\B'
" ' 2+$+# . -02"' "' *+/4 -$+<
*' ,#" +**"#+*' 2+' -*$#4'/0"' *+'4-20# 0' 20' 0-1 /0' '02+ . 0' 2+'
" . . +#' "' '0#0"' 022 2"*' 0"' N'+4' 0' "-01' 2"' "#$"E' *4;"#2 -02"*' 0"'
':+ +' 94+' ,#+* 2 #' 094+11+' +*$0;+1+' . +-$"E' 2+3+-2"' "' '"-*+11 "' /+'
#01' 2 #+'$"#' 2"' +-* -"' ,# . 0# "' "' *+'4-20# "' ,#" ,"#' "' \ #"3 . +-$"' 20*'
'02+ #0*' 2+' -*$#4'/0"' *+'4-20# 0' '" . ' +11+*

'

+10' ,"#$0# 0' 2+' AC' 2+' "4F4;#"' " ' 2+'10#02"' 94+' "*' ' 2'
' ' ' ' D ' " ' ' ' 2+3 0 . ' *+#' 02#0 1$ 2"*'
0' . 0$# '410' 20*' 0410*' *4;* 2 0# 0*' 20' '02+ . 0' "1N$+' : - '0' 20' . +*#00'
' 202+(' *+ . ' 2+,+-2+- , 0' 2+' -"30' ,#", -0(' 01+ . ' 20' 94+' 1 3+**+ . ' ,0/"'
-"' 1N'+4(' +*10;+1+' 20' ,+1"' 0#$ /"' 6I L' 2"' 2+'#+$"' 2+' AV' 2+' -"3+ . ;#"'
2+' AC76

*' ,#" +**"#+*' 2"' D ' " ' ' ' 2+ 8030 . ' 2+' ,+#/4- '
$0#' 1 ,0"' 0"*' 014 . -"*' 99+(' 0/40#20-2"' 0' 2+' *0"' 2+' 243 20*' #+10$ 30*'
0' ,0/0 . +-$"' 2+' ,#", -0*(' #+94+-$030 . ' 0*' 0410*' -0' 9401 202+' 2+' "4 '
3 -$+*
+10' ,"#$0# 0' 2+' II' 2"' -"3+ . ;#"' . 0-2"4' "' /"3+#-"(' 94+' "*' #+ '
+# 2"*' ,#" +**"#+*(' *+ . ' ,#+F4 G"' 2+' 940194+#' #+*"14/0"' 094+11+' #+*,+ $"('
:"43+**+ . ' 2+' '"-* 2+#0#' $0+*' 014 . -"*' '" . "' . 01# '4102"*' ,0#0' "' +8+#'
' ' "' 20*' 1 /"+*(' +' ,0#0' "*' . 0 *' + + $"*' 1 1$+#0# "*
-20' ;+ . 94+"' /"3+#-"' 0'0;"4' '" . ' 4 . 0' '014## '+' "+20+"+ '01

'

+10' ,"#$0# 0' 2+' IC' 2+FW41:"' . 0-2"4' "' /"3+#-"' *4*' $0#' 0' ";*+#'
30-' 0' 20' 2 *'#+$0' 2 *,"* /0"' 20' 2+' II' 2+' -"3+ . ;#"' 2+' AC>A

' ,"#$0# 0' 2+' I6' 2+' "4$4;#"' 2"' . +* . "' 0--"' . 0-2"4' 94+' "*'
+ . ' 02 . $1 2"' 0' +80#0+' "*' 014 . -"*' 2"' D ' " ' ' : '
94+' -"' 0--"' 2+' AC>A AC>I' :03 0#0' #+94+-$02"' -0' 9401 202+' 2+' "4 '
3 -$+*' 0*' 0410*' 25094+11+' +*$0;+1+' . +-$"E' '0-2"' ,"#' +*$+' #0"2"' *+#0'
+ + $"' 0' 2 *,"* /0"' 2"' 0#$ /"' L' 20' ,"#$0# 0' 2+' ' 2+' "4$4;#"' 2+' AC>?

. ' A7 2+ 0;# 1 ,0#1 ' ,030 " ;0#0" 2+ +1:+ #0* 0" #+ $"# 2" D2
  94" +*1030 . +8,+2 20* 0* '" . ,+1+-$+* "#2+-* ,0#0 " +* 10;+1+' . +4$" 4 . 0 /40#20 2+ #",0 20 /40#- '0" 20 '0, $01 94+ ;0 3 0 2+ ,"1 ' 0# " . +* . " 1N'+4

#0 20$0 2+ IW 2+ . 0 " " " "#2+-02" 0" ; ;1 "$1 +'0# " . 2# 20 R ;1 "$:+'0 0' "-01 2+ *;"0(94+(2" 2+,"* $" 2"* 1 3#0# 0* 2"* +8$ - $"* '"-3+-$"*(*+ '"-'+2+**+ 4#0 , " : 2) ,0#0 *+# '"11"'02"('" . " +#0 2+,"* $"(-0‖*010 2"* +80 . +* "-2+ '"-*+1: " 2" . +*#0" 1‖'+4 '+1+; 030 0* *40* *+**;+* +-1 0 *+ -0 3+#202+ 0 01$0 2;+*$+ 9402#"E +' '#2 *+ , 0 . +-$+ 94+ 2+*2+ 094'11+ $+ . ," #0 "4 140 "# 114*$#0/0" -" . +* . " +*$0;+1+' . +-$"

, "#$0# 0 2+ A7 2+ *+$+ . ;#"(#+10$ 30 0 2+$+# . -"4 " *+/4 -$+<
A L) 4+ -0* '0*0* 2 *,"- 3+ * 2" 0-$ /" '"11+/ " 2+ 0-$0#+ . ("-2+ F2 *+ 0':0 0 +*'"10 -"#. 01 ,# . 0# 0(+ 2+ +-* -" . 414"(*+F0 . 10 . ;+ . '"11"'020* 0* '02+ #0* 2+ 10$ - 202+ + , : 1"*", : 0(+ 1"20* 0* 2" +-* -" *+'4-20# "("4 940+*94+# "4$#"* +*10;+1+' . +-$"* 1 1$+#0# "* 94+ 2+ 4 $4#" 3+-:0#0 0 +8 *$ #
I S) 4+ -" ,# - ' , " 2" ,#"8 . " 4$4#" 0--" 1+'$ 3" 2+ AC>7 AC>>('" . +'+ . "* ,#" +**"#+* 2+ 10$. + , : 1"*", : 0 0 1+# 0* *40* #+*, +'1 30* '02+ #0* -0* 0410* 2" #+ +# 2" '"11+/ "
7 S) 4+ $+ . , " 20 + $4#0 2+ , : 1"*", : 0 #0' "-01 + . "#01 *+F0 2+ 240* :"#0* 2+ F-0-:0(+ 240* 2+ $0#2+E + 94+ 0 2+ /#0 . #00$ '0 + 1 -/40 101 -0 *+F0 2+ #+* :"#0* 2+ . 0-:0(+ "4$#0* $0-$0* 2+ $0#2+(-0 '"- "#. 202+ 20* -*$#4'"+* 0--+8+* 0" 0130#0 2+ IC 2+ F4-:" 2+ AVDW(+ *"; 0 '" . . -0/0" , "# 2 #+ $" +*$0;+1+' 20

, "#$0# 0 2+ AD 2+ *+$+ . ;#9 0, ,#"3"4 P , #"3 2+-' 0 94" " +"- *+1:" ,#"3 * "-01 2+ -*$#4'/0" , :;1 '0 2" 4-':01 02",10#0(2 * * /#0 . . 01 '0 /+#01 + 1"/ 20 2" N'+4 0R ' "-01 #2*,+'$ 3"(* ** 2 * 24#0-$+ 0 04*+-' 0 2;+*$+ -0 '" . . **0" 2" 0;" 20 "0 *,+#0 /0E 04'$"# *0-2" " . +* . " '"-*+1:" 0 0#; $#0# 0" *4;*$ 4" 0 /#0$ '0/0" +*$0;+1+' 20 ,+10 1+ (

' '

2+'#+$" 2" S 2+ 0/"*$" 04'$"# *"4 " /"3+#-"(-" 0#$ /" 1 U(,0#0 - + "43 2" '"-*+1:" 2 #+'$"# 2+ -*1#4''0" ,# . 0# 0 + *+'4-20# 0(940-2" ;+ . 2" *+#3 /" ,41X1 '" 0** -0 " +8 / **+

':+/020 0 "''0* 0" 2+ . +-' "-0#. "* " 6G/ '4 . ,# -2" -"* +*,+' '0# 0* *40* 2 *,"* /"+* + . 940-$" 0"* D

-2 '02" 2+'#+$" #. "# 0 #+/#0 20 +8 *$+-' 0 2" 4 . 1N'+4 + . '020 4 . 0 20* '0, $0+* 2"* 2 *$# '$"* 02 . " *$#0$ 3"* + 2 "'+*+* 2" #+ -"

: D >

/ '4#*" 2"* 1N'+4* '" . ,#+:+-2+# (+ . $"2"*(0* *+/4 -$+* 2 *' ,1 -0* + '02+ #0*

2Z #0 . . 0$ '0 ,"#$4/4+G0 + 10$ -0

I S 01 - 202+

7 S #1:. +1 '0 + /+" . +$# 0 '" . 0, ,1 '0/"+* 2* 0#$+*(+ ,# . + #0* -"/"+* 2+ 01/+;#0

> Z [: 1"*", : 0 #0' "-01 + . "#01(+ ,# -' , "* 2+ 2 #+ $" -0$4#01

D Z #0$"# 0(,"+$ '0 + 1 $$+#0$4#0 '10** '0(+*,+' 01 . +-$+ 0 ,"#$4 (/4+G0

Z *$"# 0(':#"-"1"/ 0 + /+"/#0, : 0(+*,+' 01 . +-$+ 0 '" . . +#R ' 01 B #$ >V

* D >

" D >

AS -/40 /#+/0E X Z -/40 :+;#0 '0E 7S -/40 #0-'+G0 + - /1+G0E >S -/40 0 1+ . 0E DS -/40 0#0;+E S + VS " . . +#' "E S +" . +$# 0 + . +':0- '0 0, ,1 '020 2* 0#$+* + " ' "*

" D : >

* . +* . 0* 94+ -" N'+4 2+ *;"0(+8'+,$" 1 -/40 0#0;+('" . R . +#' "(/+" . +$# 0(+ . +':0- '0(0, ,1 '020 2* 0#$+*

: . '0 0, ,1 '020 0* 0#1+*
/# '4114#0 +' +'"-" . 0 #4#01
+':0- '0 -24*$# 01
-/40* #0-''G0 +' -/1+G0
4* '0' B #$' DW U
0* ' /"3+#4,' -0" ,"2+#0 '#+0# -"* 1N'+4*(+ .' 3 #$42+' 2"' 0#$ /"'
0-$+'+2+-$+('02+ #0* 2+' 2 *' ,1 -0* 94"' *+' +-* -0#+ .' +#0 01/4#00 +*'
"'10 '"11"'020 -0 . +* . 0 ' 202+' "4' 3 110' &< ' * ' ' 'M/['

" ' ' * ' ' ' ' ' ' D >

+/#0 /'#01< * '02+ #0* . +-' "-020* -"' 0#$ /"' >V U *+#0"' /+# '
20* ,"# $#+*||,#" +**"#+*('" . ,+$ -2"' 0 4#0 0 +' I UE 0 "4$#"' 0 7 U
+' > SE +(-01#0+-$+(0 +4$#"' 0 DS +' S ?X' 2" * 41$."* +-* -0#0"' 0*
#+*,+'$ 30* 2 *' ,1 -0* + .' '4#*"' ; +--01
8'+,/"+*< "* 1N'+4* 2+' *;"0("#$"(" . ;#0(#0/0 +' 3"#0(
:03+#0 ' * ' * * ' ,0#0 '020 4 . 0 20* *40* #+*,+'$ 30*
'02+ #0*(+' $#+* ' ,0#0 0 AS +' I S("4$#"' ,0#0 0 7S +
> S('' "4$#"' ,0#0 0 DS +' S' "' 1N'+4' 2+' *;"0 :03+#0 . 0 * 4#-' *4;R
*$ 4+' ,0#0 0 *++/0"' '" . . +#' 01' *$+* *4;*$ 4+* *+#0"' 2+' 2 #+ $"' ,#"R
3 2+* -0 ,# . + #0 20* #+*,+'$ 30* '02+ #0* 94+' 30/0#' B #$' DV U +' DC U
+' *+4*]]

>

* '02+ #0* 2+' -*$#4+/0"' *+'4-20# 0 *+#0"' ,#"3 20* * ' '
' - ' * ' ' ' * ' * ' +1"* -"* 1N'+4* 2+' *;"0(
"#$"' +' " . ;#0(-0 '"- "#. 202+' 2"* #+/-10 . +-$"*
' ,#"3 . +-$"' 20* '02+ #0*(2+-$#"' +' "#0 2"* 1N'+4*(*+# ' 2
' +8,+2 2"' ,"# 2 ,1" . 0 #+/ +(*";#+' ,#", "*$0 /#024020 2+' $"2"* "*
", ,"* $"#+*(J +-$#+' "* 940+*(+ .' +/401202+' 2+' . +#+' . +-$"' . "#01' +' 1 $'
$+#0# "(*+#0"' ,#+ +# 2"*< 1 U "* ;0'1 0#+ *(1 '+-' 02"*("4' 2"4$"#+*+ .'
940194+# 20* 0'41202+* 20 - 3+#* 202+' 2+' " . ;#0E I U "* :0; 1 $0'
2"* '" .' 01/4 .' 2"* '4#*"* 20* +*'"10* ,"1N1+';- +0* 2+' *;"0' +' "#$"
-$#+' "* ", ,"* $"#+* 2+' 4 . 0 . +* . 0 '10*'+' *+#0 #+/41020 0 ,#+ +'
#+-' 0 ,+10* :0; 1 $0/"+* . 0 * 0-01"/0* 0* 2 *' ,1 -0* 20* '02+ #0*(94+'
*+' :"43+#+ .' 2+' ,#"3+-(,#+'+2+42"(+#0 +/401202+' 2+' ' #'4 . *$0-' 0*(
"* 94+' . 0 * $+ . ,"' 1 3+#+ .' 2+' ;" .' *+#3 /"(+' -0 0110 2:+*$+*("* . 0 *
0-$ /"* +#0 :0; 1 $0/"+*("4' -0 +202+(*+' 0* 1 0; $0/"+* "#+#0 20 . +* . 0
20$0' B #$' DW S +' 6? U +' *+4* \\

' 1+' +*$0;+1+'+' "' 940-$ $01 3"' 2"* "#2+-02"*E +' #+/410 0* F4; 10

"+* +' 0, "*+-$0/"+*E +(1-01 . +-$+($42"' 940-$"' 2 G' #+*, + $"' ' 2 *' ,1 -0' +' #+94+-' 0' 20* +*'"10*

. +-' "-0#+ . "*' 094 ' "' *+/4 -1+<

' #+4- 0"' 2"*' ,#" +**"#+*(0** .' ,#", # +$0# "*(' ". "' *4;*1 4$"*(,#+* 2 20' ,+1"' #+ 1"#(' "-*$ 14+' "' ' "-*+1: "' 2"* 1N'+4*

* ' ". . **0# "* 2"* +*$42"* *+#0"' "* #+ 1"#+* B "* 1N'+4]E D +8'+ ' ,/0"' 2"' 2+' " . ;#0("' 9401' *+#0' ,#+* 2 2"' ,+1"' #+ 1"# 20' - 3+#* 202+

0' 0110' 2+' ' ". . **0# "' 2"* +*$42"*(*+#0' #+ 1"# 4 . ' 2"* ,#" +* ' *"#+* 2"' 1N'+4' -" . +02"' ,+1"' /"3+#-"(' ". ' 0' /#01 1'0/0"' 0--401' 2+' D?BD0??? #+ *

. ' 940-$"' -0"' ;0 80' 0' -" . +0/0"' #+/ 0("4' 0';0-2" *+' . ,+2 2"' "' #+ $"# -" . +02"(*+#3 #0' "' . 0 * 0"$ /"' 2"* ,#" +**"#+* ,#+ +-$+*

'

0' -"' $" . "' 3#(,0/ ' IDA' +' IDI($ 3+ . "* "' '0* 0"' 2+' . +-' "-0# 0' , "#$0# 0(2+' A7' 2+' 0/"*$"(94+' #+*"13+4' 0* 243 20* 94+' $ 3+#0' "' ' ". R . **0# "' 2"* +*$42"* + . ' *;"0' *";#+' *+' 2+ 0' +8, +2 # 2 ,1" . 0* 2+' '0 ' ,0' 202+' 0"* +*$420-$+*(** ' ' * ' ' S ' D =' 2 ' ' ' ' D ' " ' ' ' *+ . ' 0' 0, ,#"30 ' /0"' -0* 2 *' ,1 -0* 20* "41#0* 240* '02+ #0* 2"' . +* . "' '4#*"(J "4' *+(,0#0' 094+11+' 0'$"(:03 0' 2+' 0/40#20# +*$0' 41$. 0' 0, ,#"30/0"

' ,#", "* $"' 2"' N'+4' 0' "-01' 2+' #0/0(2+'10#"4' +' "#2+-"4' "' /"3+#-"(+ . ' ,"#$0# 0' 2+' ' 2+' *+$+ . ;#"<

A ' U) 4+' 0' -" . +0/0"' 2+' $"2"* * + . ,#+/"* ,4;1 ' "*(94+' -0"' " ' #+ . ' +8'+, $402"* ,"# 1+ (2+3+' *+# + $0' ,+1"' /"3+#-"

I ' L') 4+' "**+' ,"*$"' 0' ' "-'4#*"' "' 1"/0# 2+' ,"#$+ #"' 2"' #+ +#12"' 1N ' '+4(,4;1 '0-2" *+' "' 2+3 2"' ,#"/#0 . . +' *";#+' 0* :0; 1 $0/"+* 2"* ", ' F "* $"#+*(' ". Z #+ +#+#+-' 0' 0' 2 *, "* /0"' 20' ,"#$0# 0' 2+' A' 2+' F41:"' 2+' AC>A

7 ' S) 4+(:03 20* 0* - "# . 0/"+* '+-3+- +-$+* +0#'0' 2+' '020' 4 . ' 2"* ", ,) * $"#+*(G+**+' "' ' "-*+1: "' *4, +# "# 2+' -*$#4'/0;' ,4;1 '0' ,+1"' . - *$+# "' 2"' #+ -"' 0' ' "-3+- +-$+' ,#", "*$0' -0' "# . 0' 20' 1+

' ' "-*+1: "' *4, +# "# 2+' -*$#4'/0"' ,4;1 '0' ," -2+#"4' 0"' /"3+#-"' 0* 2 '41202+* +' -' "-3+- +-$+* 94+' +-' "-$#2#0' ' * ' ' <

' ' ' D ' ' +' -"' '4 . ,# . ++$"' 2"' 0#$ /"' 6 S

& &

2"' 2+'#+$"' 2+' I?' 2+' *+1+ . ;#"' 2+' 2+' AC>>(' ' ' ' '
' '$ ' *
' $01' +*,+ 1"' 2+'10#"4' +' "#2+-"4' "' /"3+#-"' "' *+/4 -$+<
A' D5 ' ,#"3 . +-$"' 20*' '02+ #0*' 2+' -*1#4''0"' *+'4-20# 0' *+#D' #+ '
/4102"' ,+10' *40' *+'+** 202+' +' 4$ 1 202+(' ;+ .' ,#"3020' +' #+'"-:+' 20E'
2+3+-2"' *";#+X$0# *+' -"' ,#"3 . +-$"' 20*' 94+' -0"' 2+#+ .' +*,+#0:'0' 2+'
,#"3+ 1"*0' #+94+-' 0
I' S' "*' +80 . +*' ,0#0' "' ,#"3 . +-$"' 20*' '02+ #0*' 2+' '4#*"' ; +--01(
94+' *+' 0':0#+ .' 30/0*(' *+#0"' +8 / 20*' 0*' 1 0; 1 $0'"+*' +' ,#"30*' 2+' *4)'
' +-' 0' -+'+**0#F0*(' K";#+' "*' '"-:+' . +-$"*' +' . +1:"2"' 2+' +-* -"' 20*'
2 *' ,1 -0*(' 94+' :4"' 2+' 0G+#' "' ";F+'$"' 20' 1+ $4#0' 2"' ; +-- "
7' S' *' ,#" +**"#+*' 0'$40+*(' 0' 94+#-' "' 2+'#+$"' 2+' I?' 2+' *+$+ . ;#"'
2+' AC>>(' '"-)# . 02"' ,+10' 1+' 2+' IW' 2+' ;"3+ . ;#"' 2"' . +* . "' 0--"(' . '
,"+' 0' ";# /0'0"' 2+' #+/+#' "*' '4#*"*' ; +--0+*(' *0"' ";# /02"*' 0' 0G+#'
+80 . +*' 25094+110*' 2 *' ,1 -0*(' 2+' 94+' 0 "20' -0"' $ 3+#+ .' 202"' ,#"30*'
,4;1 '0*
>' S' "*' ,#" +**"#+*' 0'$40+*(' 94+' +*1 3+#+ .' -5+*$0*' ' #'4 . *$0-' 0*'
+' '"-'+2 2"||"' $+ . ,"(' 94+' 2+'"##+' 2+*2+' 0' 20$0' 25+*$+' 2+'#+$"' 0$+' 0"
A' S' 2+' "4$4;#"' 2+' AC>6(' ,0#0' *+' :0; 1 $0#+ .' '" .' "*' +80 . +*' -+'+**0R
+*(' +' ,0#0' 94+(' 2+3 20 . +-$+' ;0; 1 $02"*(' ,"**0 .' +-$#0#' -0' S' '02+ #0'
2"' '4#*"' ; +--01
D' S'(*' +80 . +*' 2"*' ,#" +**"#+*' . +-' "-02"*' -"' 0#$ /"' 0-$+'+2+-$+(
:0"' 2+' *+#' + $"*' ,+1"' . "2"' +*10;+1+' 2"' -"*' #+/410 . +-$"*' ,0#0' "' ,#"R
3 . +-$"' 20*' '02+ #0*(' 94+' "#0' +*$0"' 0' *+4' '0#/"(' +80#0-2" *+' -"*' 2 R
,1" . 0*' 2"' #+*,+'$ 3+' +-'0#$+' 0*' 2+'10#0/"+*' 2+3 20*(' *";' ,#","*$0' 2"'
"-*+1:"' 4,+# "#' 2+' -*$#4''0"' 4;1 '0(' 0'" . ,0-:020' 2"' ,#"'+**"' 94+'
:+' *+#3 #' 2+' 4-20 . +-$"
' S' *' ,#" +**"#+*' 94+' *+' -0"' . "*$#0#+ .' ;0; 1 $02"*' ,0#0' 0;# #' 0
I(' S' 0410' 2"' '4#*"' ; +--01(' + .' "4$4;#"' 2+' AC>6(' 2+N+ .' *+#' '"-* 2+#0'
2"*' '" . "' . ,+2 2"*' ,0#0' $"2"*' "*' + + $"*' 2"' 0#$ /"' S' 2"' 2+'#+$"'
2+' I?' 2+' *+$+ . ;#"' 2+' AC>>(' +' 2+ . 0 *' 1+/ *10/0"' '"##+*,"-2+-$+(' 6&#
' ' GH' ' '

/' "-*+1:"' 4,+# "#' 2+' -*$#4''0"' 4;1 '*' +-3 #0' 0"' /" +#-"' 4 . 0'
'"-*41$0' *";#+' "' ,#"3 . +-$"' 2+' 01/4 . 0*' '02+ #0*' 2+' +-* -"' *+'4-20# "(
2+' #+'"-:+' 20' 4$ 1 202+' +' -+'+** 202+
' /"3+#-"' 0,,#"3"4' 0' ,#","*$0(' . 0-2"4' , #' 0' '"-'4#*"' 0*' '0R
2+ #0*' -0' '"- "# . 202+' 20' 1+ (' 2+3+-2"' ,#+'+2+#' "*' '"-3+- +-$+*' ,#"'
/#0 . . 0*' +' 0--4-' "*' ,4;1 '"*
,#"3+ $"4' +*$0' ",,"#$4- 202+' ,0#0' +8,#+**0#' 0' '"-3+- +-' 0' 2+

#0"#2 -0# "*' 0' "# . 0/0"" 2+" '" . ,+-2 "*(2+" -*$#4''4+*' +" 2+" ,#"/#0 . "
. 0*E +" 94+(9 0-2"" +*$ 3+**+ . " ,#" - ,$"*' 094+11+*' ,#+, 0#+*(-0"" *+"
2+*'4 20# 0' 2+" ,#", "# "" ,#"3 . +-$"" 20*' '02+ #0*(, " " * 2
& " " " *
" '"-*+1:"" 0-2030' -5+*1+" ,0#$ '410# '" . " 0' . 0 *' 1"4303+1" ' #'4 . "
*,++/0"

+101 30 . +-$+" " " " " D " " " " "
2+4" " /"3 #-"(+ . " " 2+" F41:"(0*' *+/4 -1+*' -*1#4''"+*<
A" S +'' "-0# *+ : 0(0' $+ . ,"" '" . ,+1+-1+(* " " 4 "
+" ,+10' ; " " ? " +." *4;*$ $ /0"" 2"*' 2" *' '" . ,+-2 "*' 2+"
3 " 2+" 94+" *+" 0G 0' 4*"" -"" AS 0--"" 20' 410' 2+" " . . +#' "E '"-"
$ -40-2"" "" #+*$0-$+" +*$42"" 2"" '4#*"" -0' *++/0"" ,+1"*' 1 3#"*' 0$+" +-$0""
02",$02"*(+ . 940-$"" 0' +8, +# +-' 0' - "" 0'"-*+11 0**+" "41#"*' . +1:"#+*
I " S "-1 -40# 0' + . " /"# "" . +11 "2"" 2+" +-* -"(01+" +-$0"" *+/ 2"(
2+" 2+* /-0# "" ,#" +**"# -0' 3+*, +#0' "" -4 . +#"" 2+" "11 0*' 2"" '" . ,+-2 ""
94+" 2+3 0 . " *+# +*142020*(+" :03 0 . " 2+" 0G+# "; F+'1"" 20' 1 /0"" 2"" 2 0'
+/4 - +(-"" 9401" "" . + . "" ,#" +**"# +8, 1 '0# 0' 0' . 0$+# 0' -0"" '" . ,#+ "
:+-2 20' ,+1"" +*$420-1+
7 " S #0' ,#": ; 2"" 0' $"2"*' "*' ,#" +**"#+*' 20' *++/0"" '" . . +#' 01(,"#
("4" ,"# -$+#, "$0' ,+**"0(20# +8, 1 '0/"+*' ,0#1 '410#+*' 20*' . 0$+# 0*'
2"" '4#*"" 0"*' 014 . -"*' 20' +*'"10(. +2 0-$+" 940194+# :"-"#0# "EP -0' -"
$+11 /+-' 0(2 G 0' "" /"3+#-"(2+" 94+" 0' 01$0(94+" ,"**0' $"#-0# --2020*'
0*' 0#/4 /"+*' 94+" 2+ ." * 2+" +$0*' 0' ,#" +**"#+*' 25+*$0*' 2 *' ,1 -0*(2+"
10"" #+, #"302"" . "-", "1 "(':+/0-2"" 0$+" 0' -'41 # *+" "" #+'+ "" 2+" #+, #" "
30/0"" -0' 0"*' +*$420-$+*' 94+" - "" +*'"1:+**+#0' '+#$"*' +" 2+* /-02"*' +8 "
, 1 '02"#+*(*+#D *+3+#0 . +-$+" +*1#0-:020" " ':+ +" 2"" +*$0;+1+' . +-$"(
2+;0 8"" 2+" *40' . . +2 0$0' #+*, "-*0; 1 202+('O -'4 . ; 2"" 2+" *'01 "
*0# " +80'1"" '4 . , # . +-$"" 25+*10' 2 *, "* /0" S
"3K@1" , "#$0# 0' 94+" 2+ 80 . "*' 0, "- 020' " " +8, +2 20' , "# 4 G
20' 130' "4* -:"W2+" 1; 494+#94+(. - *$#"" 2;" #+ -"

?" #+ $"# 20' - 3+#* 202+" -" . +0#0' "" 2#" #0-' *'"" -$"- "" - G
,0#0' *4;*1 $4 # "" ,#" +**"# 20' '02+ #0' 2+" #0-'+G +" -/1+G 2"" 1N'+4" 2+"
" . ;#0(24#0-$+" "" . ,+2 . +-$"" 25+*1+
." IW 2+" F41:"" "#2+-"4" "" /"3+#-"" 94+" "" 2# " - G "**+" 0;"-02""
'" . " " 3+-' . +-$"" 2+" *4;*1 4"" 2"" 1N'+4(,+1"" $+ . ,"" + . " 94+" +*1 3+**+

' ' 11$ '

J ˢAA>ˢJ

* F#3 -2"ˢ -"ˢ . ,'2 . +-1"ˢ 2"ˢ ,#" +**"#ˢ ,#",# +10# "Eˢ '0-2"ˢ ";# /02"ˢ 0"ˢ ,0/0 . +-1"ˢ 2"*ˢ #+*,+'$ 3"*ˢ 2 #+ $"*

0#0ˢ "*ˢ 1N'+4*ˢ 2+ˢ *;"0("#$"ˢ +ˢ " . ;#0ˢ 2+4ˢ "ˢ /"3+#-" ‖+ . Eˢ ,"#$0# 0ˢ 2+ˢ 7ˢ 2+ˢ "4$4;#"(0*ˢ *+/4 $+*ˢ -*$#4')"+*<

Sˢ *ˢ 0 . -"*ˢ 2"*ˢ 1N'+4*ˢ -0' "-0+*ˢ 2+ˢ *;"0("#$"ˢ +ˢ " . ;#0Eˢ 94+ˢ :"43+#+ . ˢ 2+ˢ #+94+-$0#ˢ 0*ˢ 0410*ˢ 2+ˢ 0# $: . +1 '0ˢ +ˢ /+" . +$# 0(*+ˢ F0$-ˢ 02 . 2"*ˢ 0ˢ . 0$# '-10ˢ 2509 +110*ˢ 2 *' ,1 -0*ˢ -0*ˢ 0410*ˢ +94 301"-$+*ˢ 20ˢ 0'41202+ˢ 2+ˢ . 01:+ . 0$ '0ˢ 20ˢ - 3+#* 202+ˢ 2+ˢ " . ;#0(20ˢ *'"10ˢ "1N$+':- '0ˢ 20ˢ ' 202+ˢ 2+ˢ *;"0ˢ +ˢ 20ˢ '02+ . 0ˢ "1N1,':- '0ˢ 20ˢ ' 202+ˢ 2"ˢ "#$"

I ˢ Sˢ *ˢ 014 . -"*ˢ 20ˢ *+')0"ˢ '" . . +#' 01ˢ 2+ˢ *;"0(94+ˢ 94 G+#+ . ˢ #+94+-$0#ˢ "*ˢ +*$42"*ˢ 2+ˢ +'"-" . 0ˢ ,"1 $ '0ˢ +ˢ 2 #+ 1"ˢ 02 . - *$#01 3"ˢ +ˢ '" . . +#' 01ˢ 20ˢ > Zˢ '02+ #0ˢ 20ˢ . +* . 0ˢ *+')0"(*+F0 . ˢ 02 . $$ 2"*ˢ 0ˢ A? Sˢ '02+ #0ˢ 20ˢ *'"10ˢ "1N$+':- '0

7 ˢ Sˢ) 4+ˢ *+F0ˢ ,+# . $$ 20ˢ 0ˢ . 0$# '410 0ˢ 4-*ˢ +ˢ "4$#"*ˢ 014 . -"*(94+ˢ *+ˢ . "*$#0#+ . ˢ :0; 1 $02"*ˢ ,0#0ˢ +110('" . ˢ 0ˢ . 0$# '410ˢ +ˢ ,#+,0#0$"# "*ˢ 2"*ˢ *+*,+'$ 3"*ˢ 1N'+4*(*+ . ˢ 2+,+-2+-' 0ˢ 2+ˢ -"3"ˢ ,0/0 . +-1"ˢ 2+ˢ ,#", -0("4ˢ -"3"ˢ +80 . +ˢ 2+ˢ ,#+,0#0$"# "*

> ˢ Sˢ) 4+ˢ 0ˢ #+94+-' 0(94+ˢ "*ˢ 014 . -"*ˢ 2"*ˢ 1N'+4*ˢ $ 3+#+ . ˢ -0*ˢ 04R 10*ˢ 2"*ˢ +*$0;+1+' . +-$"*ˢ 2+ˢ -*$#4''0"ˢ *4,+# "#(. +-' "-02"*ˢ -"*ˢ 0#1 ˢ /"*ˢ 0-$+'+2+-$+*(94+ˢ *+#3 -2"ˢ 2+ˢ :0; 1 10' "ˢ ,0#0ˢ "*ˢ +80 . +*ˢ 2"*ˢ . +*ˢ . "*ˢ 014 . -"*ˢ -"*ˢ 1N'+4*(+ˢ -0"ˢ ,0#0ˢ "*ˢ 02"*ˢ -"*ˢ +*$0;+1+' . +-$"*(+#0ˢ 94+ˢ 0,#+-2+#+ . ˢ 0*ˢ 2 *' ,1 -0*

A C > V

+10ˢ ,"#$0# 0ˢ 2+ˢ >ˢ 2+ˢ -"3+ . ;#"ˢ "ˢ +*10;+1+' 2"ˢ "ˢ ˢ ˢ * ˢ ˢ * ˢ ˢ ˢ ˢ ˢ D ˢ ˢ ˢ 2ˢ ˢ - ˢ , ˢ ˢ - ˢ ˢ * ˢ 6 , ˢ

>ˢ -0ˢ '"- "# . 202+ˢ 2"*ˢ 0#$ /"*ˢ VA Sˢ +ˢ V6 Sˢ 2"ˢ 2+'#+$"ˢ 2+ˢ I?ˢ 2+ˢ *+$+#0;#"ˢ 2+ˢ AC>>ˢ

*ˢ 1N'+4*ˢ -0' "-0+ ‖ '030 . ˢ 04'$"# *02"*ˢ 0ˢ 4*0#ˢ 2+ˢ ˢ -"*ˢ -2 ˢ '02"*ˢ 2 ,1" . 0*(+ˢ -"*ˢ "4$#"*ˢ 2"'4 . +-$"*ˢ 94+ˢ +8,+2 **+ . Eˢ '"-* *1 -2"ˢ ˢ ˢ -0*ˢ 0# . 0*ˢ #+0+*ˢ '" . ˢ 0ˢ 1+/+-20ˢ + . ˢ 3"1$0< D ˢ ˢ

"ˢ #+101"# "ˢ 2+ˢ IAˢ 2+G+ . ;#"ˢ B0--"ˢ 1+'1 3"ˢ 2+ˢ AC>6ˢ 0ˢ AC>Vˢ 2 G 0ˢ ˢ '"-*+1:"ˢ *4,+# "#ˢ 2+ˢ -*$#4''0"ˢ ,4;1 '0ˢ 0"ˢ /"3+#,"(94+ˢ $ 3+#0ˢ /#0-2+ˢ '4 202"ˢ + . ˢ ,#" . "3+#ˢ 0ˢ -" . +0/0"ˢ 2+ˢ ˢ ˢ ˢ ˢ 2

* ' & C ' 94+' ' +'1 30 . +-1'' :03 0 . ' R\' * 2'' -" . +02"*' ,+1'' /"3"#-'' "*' 2"*' 2 *1# '1"*' 2+' 3+ #"(' +F0(' #0/0(' #0/0-'0(' 0*1+11'' #0-'"' 3"#0(' 0#"(' 40#20(' *;"0(' "#101+/#+(' "#1"(' 0-$0#+ (' 110' +01(' *+4(' -/#0(' "#10' +' 4-':01E' +' 94+(' -01#0+-$+(' '' . +* . '' '"-' *'1:'' :+*' 2+#0' 0*' '"-3+- +-1+*' -*1#4''"+*

' '"-*+11 ,' 2+'10#030' 10 . ;+#0(' 94+' 0-2030' 1 20-2'' -0' 2 1 /+-' 0' 2+' ";1+#' 0*' - "# . 0/"+*' -'''**0# 0*' 0'+#'0' 2"*' ' 94+' 2+3 0 -' '"02F430# "*' '" . . **0# "*(' -"*' 1+##02*' 2'' 0#1 /'' A6A L']' L' 2'' 2+'#+$'' 2+' I?' 2+' *+ + . ;#'' 2+' AC>>

' '"-*+1:'' :03 0' F4' ,4;1 '02'' "*' * ' ,0#0' 2 +#+-$+*' '0' 2+ #0*E "*' #+*10- +*' +*1030 . ' -'4 . ; 2"*' 0"*' 3"/0+*' +8$#0"#2 -0# "*

'' 0 -20' +*1030 . ' '"-*1 14 2"*' +#0' "# . 0' #+/410# "*' 1N'+4*' 2+' *R ;"0(' "#1"(' "$-;# (' #0/0' +' 3"#0E '4 2030 *+' -0' '"-*1 14 /0'' 2"*' #'*' 10-1+*(' 94+' 01 0*' +#0' #+10#2020' ,"# ";*10'41"*' 94+' *'' '" . ' '' $+ . ,'' *+' # 0 . ' #+ . "3 2"*

. ' 940-$'' 0*' 1:0*(% '' '"-*+1:'' *" . +-$+' :03 0' #+'+; 2'' '' #+101"# '' 2'' '" . . **0# '' 2"*' +*142"*' 2+' -/#0(' +#"-N . '' . 1 0-'' 2+' -2#02+(' 0'' 9401' $+'+' "*' . 0 *' '01"#"*"*' +' ;+#0' . +#'' 2"*' 1"43"#+*

,#"3; $0 . "*' +*10' " , ,"#$4- 202+' ,0#0' 10 . ;+#0' ,0/0# . "*' 094 ' - . ' # ;41'' 2'' +*1 . 0' 094+11+' 2 /-'' ,#" +**"#(' 2'' 9401' 02 . #0 . "*' 0*' 3 #' $42+*(' 24#0-$+' 940*' *+ *' 0--"*' 20' -"**0' 02#0 - *$#0'0'' 2'' 2 *1# '$'' 2+' -/#0' 2'' 1+#" * . "

?' ,02#+' +#"-N . '' . 1 0-'' 2+' -2#02+' '" . ,"G' 4#-' /#0-2+' -4 ' . +#'' 2'' '" . ,+-2 "*' 20*' 2 3+#*0*' 2 *' ,1 -0*' 2+' -*1#4'/0'' *+'4-20# 0E +*'#+3+4' 2" *' 3"14 . +*' -$+#+**0-$+*' 0'+#'0' 20' 1;0' +#'+ #0E +` "' *+ . ' ,#+' 4 ' . "2+1'' +8+ . ,10# ** . '' -0' '0##+ #0' 2'' . 0/ *$+# '' 0$+' 0'' 2 0' +#0' 94+' ,0**"4' 0' . +1:"# 3 20

' '"-*+1:'' 0G 0' -"$0#' 0' 01$0' 2+' #'94+-' 0' 2"*' +*$42"*' 2"*' 1N'+4*(' J ' 0,+-0*' #+94+-$02"*' ,+1"*' 014 . -"*' 94+' *'' 2+*1 -030 . ' ,0#0' 0' -*1#4'/0'' *4,+# "#(' -4 . +#'' . 4 $'' 1 . 102"(' 0 -20' 940-2'' *+' -0'' 2+*'"-$0**+' '' 2"*' 94+' *+/4 0 . ' "*' +*$42"*' +#0' '0*0*' ,0# '410#+*' K *' ,#" +**"#+*(' 2 ' G0' ' '"-*+1:"(' 3+-2" *+' *+ . ' "43 -1+*(' +' . FF1' ,0/"*(' 2+*/"*10 . *+(' +' +*$+' 2+*/"*$'' #0G' '" . * /'' 0' 01$0' 2'' 0,+# + /"0 . +-1"(' +' 2501 ' 0' 2+'0 ' 2+-' 0 Q

5+*1+*' $+# . "*(' +#0' *40' ", - 0"(' +' 0'"-*+1:030' 94+' "*' 2 ,1" . 0*' 2"*' #+*,+'1 3"*' '4#*"*' "**+ . ' +8 / 2"*' '" . '' :0; 1 10'0'' -2 *,+-*03+1(' "4(' ,"1'' . +-"*(' '" . '' . "$ 3+' 2+' ,#+ +#+-' 0' ,0#0' '' ,#"3 . +-1'' 2"*' + . ,#+/"*' ,4;1 '"*(' -"*' 940+*' *+' +8 / **+' 01/4 . 0' -* #4+/0"' ||+* 50#$+

J ˢAA6ˢ J

0'42 # 0 . ˢ 01- . -"*ˢ 0"*ˢ 1N'+4*(ˢ +ˢ +'1 0# *+ : 0ˢ 0ˢ ,"#10ˢ 2"*ˢ + . ,#+/"*ˢ 0"ˢ
/#0-2+ˢ -4 . +#"ˢ 2+ˢ ,#+$+-2+4$+*(ˢ 94+ˢ . ,"#$4-030 . ˢ "ˢ /"3+#-"

A C > C

. ˢ ,"#$0# 0ˢ 2+ˢ I>ˢ 2+ˢ . 0 -ˢ "#0 . ˢ #+*"13 20*ˢ 0 /- . 0*ˢ 243 20*
1 ˢ ˢ - ˢ , ˢ ˢ * ˢ ˢ -* ˢ ˢ * ˢ ˢ &2ˢ
* ˢ ˢ ˢ ˢ D ˢ ˢ ˢ ˢ ˢ * ˢ ˢ
-

* 094 ˢ 0*ˢ #+*"14/"+*<

A ˢ Lˢ) 4+ˢ *+ˢ 2+3+#0ˢ #+01 *0#ˢ "ˢ +80 . +ˢ '"1 ''1 3"(ˢ 940-2"ˢ "ˢ 014 . -"ˢ
1 3+#ˢ ˢ '4#*"ˢ /+#01ˢ 20*ˢ '02+ #0*ˢ 94+ˢ "# . 0 . ˢ "ˢ '" . ,1+8"ˢ 20*ˢ 2 *' ,1 ˢ
-0*ˢ 2"ˢ +*$0;+1+' . +-$"(ˢ "4ˢ "ˢ +*1 20-1+ˢ +8$+#-"ˢ , +$+-20ˢ 2 ,1" . 0ˢ 2+ˢ
'0,0' 202+ˢ 25+**0*ˢ 2 *' ,1 -0*

I ˢ Sˢ) 4+ˢ + . ˢ 0 . ;0*ˢ :N,"$:+*+*ˢ *+ˢ 0/0ˢ ";#0ˢ ,+10*ˢ '+#$ 2"+*ˢ 2+ˢ 0, ˢ
,#"30/0"(ˢ ,0**020*ˢ +#0ˢ +*$0;+1+' #0+-1"*ˢ ,4;1 '"*ˢ 1 +#0# "*ˢ 25094+110*ˢ
2 *' ,1 -0*ˢ 94+ˢ *+ˢ -0"ˢ ,#" +**0 . ˢ -"ˢ 1N'+4(ˢ +ˢ 94+ˢ ,"#ˢ **"ˢ 0"*ˢ +*1420- ˢ
$+*ˢ +ˢ ^,+# . 1$ 2"ˢ +*$420#ˢ "#0ˢ 2"ˢ . +* . "ˢ 1N'+4(ˢ -"*ˢ $+##0"*ˢ 2"ˢ 0#1 /"ˢ
VA Lˢ 2"ˢ 2+'#+$"ˢ 2+ˢ I?ˢ 2+ˢ *+$+ . ;#"ˢ 2+ˢ AC>>

?ˢ ,#" +**"#ˢ 2+ˢ 4#0ˢ 1N'+4ˢ $" . "4ˢ ,"**+ˢ 20ˢ *40ˢ '02+ #0ˢ -"ˢ 2 0ˢ 7ˢ 2+ˢ
0-+ #"ˢ 2+ˢ AC>C ˢ . ˢ IVˢ 2"ˢ #0+*#0"ˢ . +Gˢ +ˢ 0--"ˢ $+3+ˢ 1 '+-'0ˢ ,+1"ˢ . ˢ
- *$+# "ˢ 2"ˢ #" -"ˢ ,0#0ˢ +*$0#ˢ 04*+-1+ˢ 2"ˢ +8+#' ' "ˢ 2"ˢ . 0/ *$+# "(ˢ +ˢ +**0ˢ
1 '+-/0ˢ 2+3 0ˢ 0'0;0#ˢ -"ˢ . ˢ 2+ˢ 41:"ˢ 2"ˢ . +* . "ˢ 0--"

. ˢ 940-$"ˢ 0ˢ 3+-' #0+-$"*ˢ #+*"13+4ˢ "ˢ /"3+#-"(ˢ ,+10ˢ ,"#$0# 0ˢ 2+ˢ A6ˢ
2+ˢ F41:"(ˢ ˢ *+/4 -1+<

(ˢ 99+ˢ "ˢ ,#" +**"#(ˢ 2+ˢ 94+ˢ *+ˢ $#0$0(ˢ $+#-ˢ 2 #+ $"(ˢ -0ˢ "# . 0ˢ 2"ˢ
2+'#+$"ˢ 2+ˢ I?ˢ 2+ˢ *+$+ . ;#"ˢ 2+ˢ AC>>(ˢ 0ˢ *+#ˢ -'14 2"ˢ + . ˢ "1:0ˢ '" . ˢ 2" *ˢ
$+#/"*ˢ 2"ˢ "#2+-02"ˢ 20ˢ '02+ #0(ˢ ,+1"ˢ $+ . ,"ˢ 2+'"## 2"ˢ 2+*2+ˢ 0ˢ ,"**+(ˢ
01+ˢ 94+ˢ *+ˢ 411 . +ˢ 0ˢ 1 '+-/0 S

ˢ 4-20 . +-$"ˢ 94+ˢ "ˢ /"3+#-"ˢ 011+/"4ˢ ,0#0ˢ +*$+ˢ . "2"ˢ 2+ˢ 2+' 2 #(ˢ
"ˢ 94+ˢ "ˢ AA Lˢ 2"ˢ 0#1 /"ˢ A7V Lˢ 2"ˢ 2+'#+$"ˢ 2+ˢ I?ˢ 2+ˢ *+$+ . ;#"ˢ 2+ˢ AC>>ˢ
. ,"+(ˢ + . ˢ $"2"*ˢ "*ˢ '0*"*ˢ 2+ˢ 1 '+-/0(ˢ "ˢ 2+*'" "ˢ 20ˢ $+#/0ˢ ,0-+ˢ 0"*ˢ
4-'' "-0# "*ˢ 2"ˢ +-* -"ˢ ,4;1 '"Eˢ +ˢ ,"#ˢ 940-$"ˢ +*$0ˢ 2 *,"* /0"ˢ +ˢ 2 *' ˢ
, -0#(ˢ 2+3 0(ˢ 0#$ /"ˢ ACI Lˢ 2"ˢ #+ +# 2"ˢ 2+'#+$"(ˢ $"#-0# *+ˢ +8$+-* 30ˢ 0ˢ
$"20*ˢ 0*ˢ +*'"10*ˢ +ˢ +*$0;+1+' . +-$"*ˢ 1 +#0# "*

+1"ˢ 2+'#+$"ˢ 2+ˢ AAˢ 2+ˢ "4$4;#"ˢ "ˢ #+*"13 2"F(
LⅡ) 4+ˢ 0ˢ 1 Uˢ '02+ #0ˢ 20ˢ ˢ : ˢ ˢ D ˢ "

' ' +*10;+1+' 20 ' ,+1 2+'#+1 2+ I?' 2+ *'$+#0;#" 2+ AC> (0# ' 1 /" DI S( ]' AS(,0#0 " +-* -" 2+ 0# 1: . +1 '0 '" . . +#' 01('" . ,#+:+- ' 2+-2" . "+20*(,+*"* + #0+2 20*(+1+ . +-$"* 2+ 01/+;#0 + /+" . +1# 0("**+ '"-* 2+#020(,0#0 1"2"* "* + +1"* 1+/0+*(+9- 301+-$+ 0 7S '0 ' 2+ #0 2" '4#*" 2"* 1N'+4*(‖2+*$ -020(,+1" " 0#1 /" >V S 2" ' 102" 2+R '#+1"(,0#0 " +-* -" 2+ 0# 1: . +1 '0 + /+" . +1# 0 '" . ' 0, ,1 '0/0" 0* 0# ' 1+*(+ ,# . + #0* -"/"+* 2+ 01/+;#0

I S * 01- . -"* 2" N'+4 0' "-01 2+ *;"0(94+(*+/"-2" " 2 *, "*1" -" 0#1 /" D? S 2" 2+'#+1" 2+ I?' 2+ *+1+ . ;#" 2+ AC>>(2+ ' 3 0#-' #+94+-$0 0* 2 *' ,1 -0* 2+ . 01: + . 01 '0 -0 *'"10 "1N$+': - '0(#+94+-$0# 0 . ' 2 0-1+ 0 0410 20 ' '02+ #0 20 *+'/0" '" . R . +#' 01 2" . +* . " 1N'+4("-2+ ,0#0 **" *+# 0 . ' 02 . 11 2"* 0 . 01# '410 + 0 1"2"* "* +8+#' '1"* +*'"10#+*

"3 * 4-20 . +-1"* + . ' 94+ 0**+-1"4 +*10 #+*"14/0" +#0 . ' "* *+ ' /4 -1+*<

' 0# 1: . +1 '0 + 0 /+" . +1# 0 '" . ' 0, ,1 '0'0" 0* 0#1+*(+ ,# . + #0* " ' /"+* 2" 01/+;#0(20 7S '02+ #0 2" '4#*" 2"* 1N'+4*($++ . ' . 0 * 0-01"/ 0 '" . ' 94+ *+ +-* -0 -0 AS '02+ #0 20 *+'/ " '" . . +#' 01 2" N'+4 2+ *;"0($"2> ,#01 '0 + +1+ . +-10#(2" 94+ '" . ' 0 20 *'"10 "1N1+': - '0("-2+ ,#+2" . -0 . ' . 0 * 0* . 0$: + . 01 '0* ,4#0* + $#0-*'+-2+-1+*

' . 420-/0 2+ #+94+-' 0 2"* 014#0-"* 2" N'+4 2+ *;"0 -"* +*142"* . 01: +#001 '"* 20 *'"10 "1N$+': - '0(,0#0 "* 94+ *0" '"##+* ' ,"-2+-$+* -0 *+'/0" '" . . +#' 01(+ 4 . 0 * . ,1+* ."2 '0/0" 2+ . 0$+# 0* + . +1: "2" 2+ +-* -" 2 094+110* 2 *' ,1 -0*(0 9401 *+ '"-'+1 0 *+# . 0 * '"- "# . + 0 -014#+G0 + . ' 20 -*$#4'/0" *+'4-20# 0(+ . 0 * 4 1 2 #+ ' /410# 202+ + +'"-" . 0 2" *+#3 /" 2"* 2" * +*$0;+1+' . +-$"*

* . 0$+# 0* + . +$:"2"* 2+ +-* -" -"* 2 +#+-$+* +*$0;+1+' . +-$"* 1 11+#0# "* *0" *4F+ 1F"*(,+1" 0#1 /" A6D(S 2" 2+'#+1" 2+ I?' 2+ *+1+ . ;#" 2+ AC>>(0* . "2 '0/"+* #+/410 . +-10#+* 94+ . 0 * '"-3 +# + . ' 0"* ,#"R /#+**+* 2" +-* -" ,4;1 '"

" #+10$"# " 2+ IC 2+ -"3+ . ;#" 2 G 0 " "-*+1: " 4 ,+# "# 2+ -R *$#4'/0" 4;1 '0 94+ +*$030 . ' F2' '"-*$ $4 2"* B0 "#0‖"* D . 0 "#+* ' "* N'+4* 2+ ' D ' ' 4 ' /40#2030 . ' 0 '"-'+* ' *0" 2+ +2) ' "(,0#0 *+ '"-* $4 #+ . ("* 2+ ' : ' 3 ' ' ' 03 0 -"* 2+- 01* 2 *$# '1"* "* +1+ . +-$"* -+'+**0# "* ,0#0 *+ '"-*1 14 #+ . ' "* 1N'+4*E . 0* -0" *+ $ -:0 . ' 0 -20 :0; 1 $02" "* 0- ' $ /"* ,#" +**"#+*('" . ' "* +80 . +* + ,#"30* ,4;1 '0* 20* 2 *' ,1 -0* 94+ ' 2+'#+1" 2+ I?' 2+ *+1+ . ;#" 2+ AC>> -'"#, "#"4 -0* '02+ #0* 94+ +11+* #+/ 0 . (,0#0 *+ "#/0- *0#+ . ' "* '4#*"* ; +--0+*

' ,"#10# 0' 2+' IC' 2+' . 0 "' #+*"13+4' 01/4 . 0*' 243 20*' 9 +' 1 5 0 .'
"' ' '"# 2"' ' - ' ' ' G/' ' ' ' EFUU' ' * '
' ' - ' * ' ' -* + ' ' ' ' * ' '
' ' $ ' > -"*' *+/4 -1+*' $+# . "*<

"*' 014 . -"*(94+(-"*' $+# . "*' 2"*' 0#1 /"*' 6W S' +' V6 S' 2"' #+ + '
2"' 2+'#+$"(b+**+ .' * 2"' 0, ,#"302"||*' + .' 1"20*' 0*' 2 *' ,1 -0*' 2"*' '4# '
) ' 2"*' 1N'+4*(2, *1/ -020*' -"*' 0#1||/"*' >V S' +' DI S' 2"' . +*#0"' 2+'#+$"(*+ '
0 .' '"- '+2 2"*' "*' $ 141"*' 2"' '0, 0' 202+(04'1"# *02"*' ,+1"' 0#1 /2' VA S'
2:094+11+' 2+'#+$"(+ .' 3 *10' 20*' '+#1 2"+*(94+' 0, #+*+ -$0**+#0(2"*' +80R
. +*' + $"*' ,0#/01 . +-1+' + .' '020' 0- -"' 1+'$ 3"(*+ .' 2+, +-2+- ' 0' 2+'
+80 . +' /+#01' 2+' #+, +1 '0"' 20*' . 0$+# 0*' +*' "10#+*' -"' . ' 2"*' #+*, +'$ 3"*'
'4#*"* ' f

I ' S *' '+# $ 2""*' 2+' 0, ,#"30/0"' -" ' +80 . +*(94+(-0' '"- "# . 202+'
2"*' 0#$ /"*' D? S' +' DI S' 2"' . +* . "' 2+'#+$"(2+3+#0' *+# + $"*' -0' 0'41202+'
2+' . 0$:+ . 0$ '0' + .' " . ;#0("4' -0*' *' "10*' "1N$+'1 - '0*' + .' *;"0' +'
"#$"' ,0#0' '" . ,1+#0+ -$"' 2"*' '4#*"*' +*' "10#+*' -"*' 1N'+4*(*+# 0 .' 1+30 '
20*' + .' '"- $0' ,0#0' 0' '"- '+**0"' 2"*' 1 $41"*' 2+' '0, 0' 202+

7 ' S +# 0 .' ,0**02"*' "*' $ 141"*' 2+' '0, 0' 202+' ,+1"' '"- *+1: "' 2"*'
#+*, +'$ 3"*' 1N'+4*('" .' 2+'10#0/0"' 20*' 9401) '0/"+*' -"*' +80 . +*' 2+'
0, ,#"30/0"(0"*' 014 . -"*(+ .' '"- "# . 202+' 2"' . "2+1"' 94+' 0'" . ,0- :030'
+*$0' ,"#10# 0

> ' S #0 .' 04'1"# *02"*' "*' 1N'+4*' -0' "-0+*' ,0#0' 4*0# 2+' 4 .' *+11"'
-"*' $ 141"*' 2+' '0, 0' 202+(+' + .' 940+*94+# "41#"*' ,0, + *(94+('" .' +**0'
"# . 01 202+(:"43+**+ .' 2+' *+# +8, +2 2"*' , "# 094+110*' #+, 0#$ /"+*' ?'
' *+# 0' "' 20*' ' ' #'4 . 202"' '" .' 0' 1+/+-20< D ' " 2
' ' B"' -" . +' 2+' *40' '"11"' 0/0"

D ' S '030 .' , "# +*10*' 2 *, "* /"+*' *4 ;*$ $4 20*' 0*' 94+' *+' '" . ,#+'
:+-2 0 .' -0*' ,"#$0# 0*' 2+' >' 2"' -"3+ . ;#"' 2+' AC>V(+' I>' 2+' . 0 "' 2+'
AC>C(94+' + .' 1"/*# +" . ,+$+-$+' . +-' "-0 ."*' F2

"3' *' "*' 4-20 . +-$"*' + .' 94+' 0**+-$"4' 0' #+*"14/0"<

"*' $+##-"*' 20*' 1+ *' 2+' AC76' +' AC>>("*' 014 . -"*' 20*' +*' "10*' , 4 '
;1 '0*' *0"' -"' .' 2+' '020' 0- -"' 1+'1 3"' +80 . -02"*' -0*' . 0$+# 0*' 94+' $ '
3+#+ .' +*14202"

0#0' 0' '"- '+**0"' 2"*' $ 141"*' 2+' '0, 0' 202+' -1 "' *+' +8 /+' 4 .' +80 . +'
/+#01' 2+' #+, +$ /0"' 20*' 2 *' ,1 -0*' +*' "10#+*' -"' . ' 2+' '020' 4 .' 2"*' #+* '
, +'1 3"*' '4#*"*(. 0*' * . +' 1 "' *" . +-$+' "' '" . ,1+8"' 2"*' +80 . +*' ,0#' 0+*'
2+' $"20*' 0*' . 0$+# 0*' 2"' 4#-' '4#*"(+ $"*' * -/410# . +-1+' -"' . ' 2+' '020'
0- -"' 1+'1 3"' 2"*' . +* . "*' '4#*"*

. ' -+- :4#0' 2"*' +* 0; +1+' . +-$"*' 1 $1+#0# "*' ;0' +80 . +*' /+#0"*' 2+'
#+, +$ /0"' ,0#0' 0' +8, +2 /0"' 20*' '0# 0*' 2+' 1 0; 1 $0'0"(+8'+, 1"' -0*' '*

*+#3+- 0' +8'+2+**+' 0' 1 #0' 0- -"' 0-2030' 10#0 ;+ . ' 94+' 2+' 414#"(' -"*' ,#"3 . +-1"*' $+ . ,"#0# "*' 94+' "' '"-*+11 "' *4 , +# "# :"43+**+' 2+' +8 , +2 #(' *+' 2+410#0**+' +*, +' '020 . +-$+(' -"' *+-1 2"' 25+*10' #+*"14 '0"(' "' 94+' 0"*' ,#"3 2+*' '4 . ,# 0' *01 * 0G+# 2"*' 2 1"*' 2 #+ $"*

+10' '0#$0' 2+' 1+' 2"' A 2+' F4 - : "' ' D ' " ' ' : ' ' ' ' ' '"' ." ' "#2+-02"' 0- -401' 2+' AV?ED???' #+ *(' 0 . ,1 020' 0** . ' 0' 2 *, "* '0"' 2"' 0#$ /"' C I L(' \' 7 L(' 2"' 2+'#+$"' 2+' I?' 2+' *+1+ . ;#"' 2+' AC>>(' '"-1 # . 02"' ,+10' 1+' 2+' IW' 2+' -"3+#0 ;#"' 2"' . +* . "' 0- -"(' 940-$"' 0"*' 1N'+4*' 2+' *;"0' +' "#$"

0' -||+*$+' 0- -"' '" . +'"4' 0' 20# *+' 0' -2 *, +-*03+1' '"-* 2+#0/0"' +' . , "#$0-' 0' 1+/01' 0" ' +*142"*' 2"*' 1N'+4*' -0' "-0+*

' ,"#10# 0' 2"' . - *$+# "' 2"*' -+/"' "*' +''1+* 0*$ '"*' +' 2+' F4*1 /0(' 2+' ID' 2+' *+$+ . ;#"' 2"' 2 $"' 0- -"' 2+' ACD?(' '"-$ - : 0' 0'*+/4 -1+' 2 *, "* /0"< $ 0#0' , "2+#+ . ' *+# '" . , +$+-1+ . +-$+' 02 . 1$ 2"*' 0* 240* *0/#020* "#2+-* 2+' *4 ; 2 0'"-"' +' 2 0'"-"' 2+3+#0"' "*' , #+$+-2+-1+*(' 940194+# 94+' *+F0' 0' 2 "'+*+' 0' 94+' , +#$+-/0 . (' -*1#4 # *+4* #+94+# . +-1"*(' -0 ;' *6 ' . +-$+' '" . ' "*' 2"'4 . +-$"*' 0$+' 0/"#0' +8 / 2"*(' ' ' ' 2 ' ' ** ' * ' * ' * ' ' ' * ' D ' ' 6 ' * * ' ' ' ' ' ' ' ' ' * ' * ' ' ' ' + . ;"#0' -0"' $+- : 0 . ' +*14202"' +*$0* 2 * ' ' ,1 -0* -0* 0410* 2"' 1N'+4 H

"' #+10$"# "' 2"' "-*+11 "' 4 , +# "# 2"' -*$#4'/0"' 4 ;1 '0 '#+101 3"' 0"' 0- -"' 2+' AC>W' 0' AC7?(' +#0' "' /"3+#-"' - "##002"' 2+' 94+' +*1030 . ' '" . ' ,1+$0 . +-$+(' "4' +#0' , 0#$+(' $"2"*' "*' 1N'+4*' 2"' '"-$ -+-$+' '"11"'02"*' +#0' +2 ' "*' , 4 ; 1 '"*(' 0' +8'+ , /0"' 2"*' 2+' 3+ #"(' +F0(' 0*$+11"' #0-'"(' 40#20' +' 110' +01

?' '"-*+11 "' +-$+-2 0' 94"' -0"' +#0' ' : +/020' 0 -20' 0' ", , "#14 - 202+' 20' "#/0 - *0/0"' 2"' 1N'+4' 2+' 0- -0' 2"' 0*$+11"E '"-*411030(' , "#+ . (' 94+(' #+* $4 -2" *+' ' 0G+-20' , 4 ; 1 '0' "*' ; +-*' 94+' , +#1+-'+#0 . ' 0"*' +8$ -'1"*' +# *(' ; +-*' 94+' +*$030#0' "-+#02"*' '" . ' 4 . ' 1+/02"(' 94+' "*' "; # /030' 0' *4*$+-$0# 0410* 2+' 10$ #0' +' 2+' "4$#0* 2 *' , 1 -**(' , "2+**+' "' . +* . "' '"-' *+1 : "' , #"3+# 0* '02+ #0* 2+' /#0 . . 01 '0' 10$ -0' 6 2"' 1"/ '0' 20' 110' 2+' "-' /0"(' 20-2"' , "# +*$+' . "2"' . 0 *' -*$#4''0"' *+'4-20# 0' 094+11+' 2 *$# '$"(' 2"' 94+' +-$0"' $ - : 0

?' '"-*+1 : "' #+'"-1 +' 0' 0' -+'+** 202"' 2"' # 2 1010-2"' 0' +*, : +#0' 2"' +-* -"' *+'4-20# "(' +' +-*0 0-2"(' -"*' , "-$" ' "-2"' -0 *' , +2 2"*' "**+ . (' "*' +*142"*' +'"-" . '"*' +' -24*$# 0+*E +' -5+*$+' *+-1 2"' , #+$+-2 0' 0G+#

01/4 . 0* ,#", "*$0*($+-2+-$+* 0 +-'+$0# 094+110 + . ,#+*0(+ . ;+-+ ' 20* '10**+* ",+#0# 0*

$030 . 0 -20 30/0 01/4 . 0* '02+ #0* -"* 2 *1# '$"* 2+ 3+ #"(+F0(#0/0 B0 2+ /#+/" (+#0/0- 0E +*$030 . 0 '"-'4#*"01/4 . 0* -,* 2 *$# '1"* 2+ " . ;#0(3"#0(0#"(+ # 0(+ "#$01+/#+E + 01/4 . 0* #+ *+#3020* -"* 2 *$# '1"* 2+ +F0(+ 40#20

* 1N'+4* + +*'"10* 0--+80* 2"" '"-$ -+-1+ "#0 . #+94+-$020* ,"# I<VC?' 014 . -"*E *+-2"" <7 6 -0* A??' +*'"10* 2"* 1N'+4* 2"" '"-$ -+-1+ A<?VC -0* +*'"10* 0--+80* 0"* 1N'+4*E + 7>6 -0* 1:0*

-*$#4'/0"" *+'4-20# 0 '4*1"4 0"" $:+*"4#"" 6I<IIABDB7A?' #+ *

" 10$020 B$+# . -030 2 G+-2"" "" '"-*+1:" 0 +*, :+#0 2"" 2

-"" *+-$ 2"" 20* 2 *' ,1 -0* + *' +-' 0* -24*$# 0+*E 02",102"* '" . ,+-2 "* 1+/0+*E 8020 0 "#2+#0 2"* +*142"*(+ 0,+# + /"02"* "* .+ $:"2"*E ,#": ; 2"" "" +-* -"" ,0#$ '410# 0 94+#- *+F0 ,#" +**"# ,4;1 '"(+ 0 94+#- -00 1+-:0 $ $41"" 2+ '0,0' 202+(";1 2"" 2"" '"-*+1:"" *4,+# "#E + ";# /02"* "* .+*1#+* ,0#$ '410#+* 0 20# -"" ,# -' , "" + . 2"* '4#*"* 0 #+10/0"" 2"* *+4* 014 . -"*(-0 "#. 0 2"* +*014"* 20 - 3+#* 202+E -0"" '0#+'+ 0 -*$#4''0"" *+'4-20# 0 2+ . 0 * +*$42"* '10** '"* Z

?' 2+'#+$"" 2+ A?' 2+ 0-+ #"" +*$0;+1+'+4 "" %

*$+ #+/410 . +-$"" 2+1+##0 -030 "" . "2"" 2+ 3+# '0# 0 D

+ 2+ "#. 0# +5 ,4;1 '0# "* * ** 8030 0 , 2

&B - 2030 -*1#4''"+* $+-2+-$+* 0 /4 0# '" . *+/4#0-/0 "" '"-*+1:"" *4,+# "# * + '"-$ -:0 #+/#0* +*,+ ' 0+* + . 940-$"" 0*

#0 $0 . ;+ . 2+*1 -02"" 0 0' 1 10# + +-'0 . -:0# "#2+-020 . +-$+ 0 +8+'4/0"" 2"" 2+'#+$"" 2+ I?' 2+ *+$+ . ;#"" 2+ AC>>(-0 ,0#$+ #+10$ 30 0"" ,#"3 . +-$"" 20* '02+ #0* 2+ -*$#4'/0"" *+'4-20# 0

?' ,#" +**"# 20 AS + I S '02+ #0* 2"" N'+4 0' "-0 2+ 0#"" * , (D

?' /"3+#-"" 2+'10#"4 ,+10 ,"#$0# 0 2+ IC 2+ . 0#/"" 94+ -0"" ,"2 0 $+# '0; . +-$"" "" 0;"-"" 20 . +1:"# 0 2"" "#2+-02"(*

"# B1+'#+1'' 2'' IA' 2+' -"3+ . ;#'' ' ' ' ' D '
" ' ' 3 ' ' ' ' L' ' ' ' ' ' D '
' ' ' ' * ' ' ' ' ** ' ' 2
' * ' ' ' ' ' '

+# 0 .' 02 . 11 2"*' -5+*$+' '"11+/ '' 014 . -"*' -$+#-"*(' '
' * ' ,0#0' #+'+;+#+ .' +24'0 0'' +' +-* -'' '"-3+- +-$+*
+3+# 0' *+#' '"11"'02'' -'' *+/4-2'' ,03 . +-$'' 2'' +2 ' '' 2'' 1N'+4(
*' .' ,#+F4 G'' 25 *1+' +*$0;+1+' . +-$"(-+ .' 20' ; ;1 "$:+'0' 01' #+4- 2"*
' *4,+# - +-2+-' 0' 2'' '"11+/ '' '" . ,+1 # 0' 0'' '"-*+1:'' 2'' 1N'+4(
,"# -$+# . +2 '' 2+' 4 .' 2"*' *+4*' . + . ;#"*(-0 9401 202+' 2+' 2+1+/02"(
'" .' 0 2+-" . -0'0"' 2+' 2 #+'$"#(+' 2+' 4 .' *4; 2 #+'$"#(10 . ;+ .' -" . +02''
,+1'' '"-*+1:"(25+-$#+' "*' ,#" +**"#+*' 2'' 1N'+4("4' 20' +*'"10' 0--+8+' 2+'
-*$#4''0'' ,# . 0# 0' ?' #+/410#0+-$'' +*,+' 1'030' 0*' 01$# ;4 ' +*' +' 2+3+'
#+*(2'' 2 #+'$"#(+' 2'' *4; 2 #+'$"#

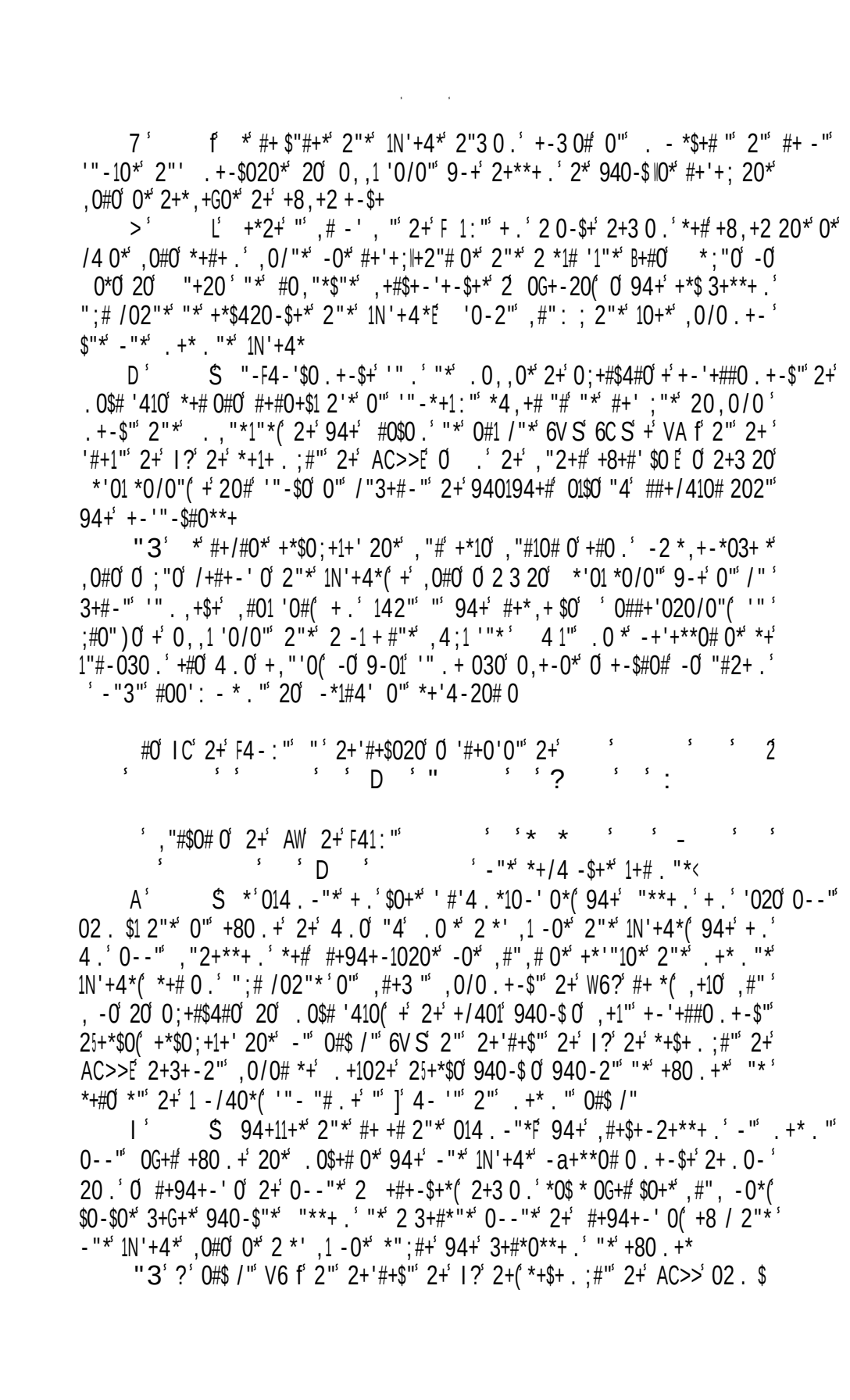
?' '"-*+1:'' *4,+# "# 2+'10#030' 0'' /"3+#-'' -'' *+4' #+10$"# '' 2+' ID'
2+' -"3+ . ;#'' 94+($+-2'' F0' "43 2'' $*' '"-*+1:"*' 2"*' ' -'' 1N'+4*' . 0 "#+*'
B *;"0(" . ;#0("#$"(#0/0' +' 3"#0 (*+' "''4,030' 2+' "##00# ''
,#"F+'1'' 2+' #+/410 . '-1'' 2"*' 1N'+4*(,0#0' '' *4; . +11+# +#0' ;#+3+' 0' 0, '
,#"30/0'' 2'' /"3+#-"E +*,+#0-2'' - #"24G # 45+11+' 01/4 . 0*' ,#0$ '0*' *04 '
203+ *(94+' #+/410**+ .' 0' "#2+ .' 2"*' +*142"*
"# 0110' 2+' #+10$"# "*' +' #00,,0*' ,0#' 0+*(-0'' ,"2 0' '' '"-*+1:''
4,+# "# 0,#++-$0# 0' -2 '0/0'' 2'' - - .+#'' +80'$'' 2+' 014 . -"*' 94+' #+'
94+-$0#0 .' 0*' 03 10*' 2"*' 1N'+4*(-'' 0--'' 1 $$+#0# '' 2+' ACD?' 0' ACDA
' 1N'+4' . 0 *' #+94+-$02"*' "#0#0(+ .' 1"2'' '' '0*"("*' 2+' *;"0(
" . ;#0' +' #0/0
' +*1+' $+ . ,'' "*' 1N'+4*' '"-*1 1 42"*' +*$030 .' $"2"*' '"11"'02"*' + .'
+2 ' "*' ,4;1 '"*(+8'+,$'' "*' 2+' 3+ #'' +' 110' +01' "*' ' -'' 1N'+4*'
. 0 "#+*' +*$030 .' + .' +8+#' ' '' $"20*' 0*' '02+ #0*' 2+' 94+' 0' 1+' "*' '" . '
,"GE -"*' 2+ . 0 *' +#0#0' ,"4'0*' 0*' '02+ #0*' 94+' +*$030 .' *+ .' ,#"3 . +-$"'
$0 . ;+ .' F0' +*$030' 4-'' "-0-2'' + .' $"20*' 0*' '02+ #0*' '' 1N'+4' 2'' 4-R
':01(+94 ,0#0-2'' 0"*' . 0 "#+*' ,+10' 1+' 2+' AI' 2+'F4-:'' 2+' AC>6E "*' "4 '
$#"*' 1N++4*' 20*' 1:0*' 0 . *+' '"-*$ $4 -2'' ,"F,'' +' ,"4'"

"$030' '' '"-*+1:'' 94+' "*' 014 . -"*' 4/ 0#0' 0' ,"1 + 0' +' #+/410# 202+'
2"*' 1N'+4*' ,0#0' 0 -241/+-' 0' 20*' 0;10*' ,0#1 '410#+*
?' '"-*+1:'' 2+1 /+:' 030' +8'"/ $0# "*' . + "*' 2+' +*$0;+1+'+# 0' 4- '
"# . 202+' 2+' 2"4 # -0' +' . +$:"2'' -0*' +*'"10*' ,4;1 '0*' +' ,0#1 '410#+*
+# . -030' '" .' +*$+*' +-4-' 02"*' '' *+4' #+10$"# "<
K ' -*1#4'/0'' *+'4-20# 0' +' '" . ,1+ . +-$0# '0#+'+' 2+' 2 1010# 0' +*

, "#$0# 0 2+ AW 2+ . 0 #+/ "4 * 2
, * $, *
*

0#0 $01 '"$ '+**0 2'3 0 ,#+'+2+# '"-*41$0 +*,+' 01 2 '"-*'1: *4R
,+# "#(4-2020 + . 4- ,#+'+**"(,+1 9401 *+ 3+# '0**+ 0 2 *,"* / "
,:N* '0(+ 0 '0,0' 202+ . "#01 + ' 3 1 2"* ,#" +**"#+* F4; 102"* ,0#0 "
;" . 2+*+ . ,+-: 20* ";# /0/"+* 94+ '0**+ . 0 *+4 '0#/"
+# 0 "# . 02 ,#"'+**" ,+1 '"-*+1: *4,+# "#(+ -*1#4 -2 '" .
0* 2+'10#0/"+*(+*':9 +' . +-$"* + - "# . + 94+ ,0#0 **" F 1/0**+ -+'+*
0# "(+ "**+ . ,"# +11+ +8 / 2"* 2 F4#N + 04'1"# 202+* '" . ,+1+-$'*
0 -"* "''4,0#+ . "* 094 (*+- '" . "* ,#" +**"#+* 2+ -*$#4'/0
+'4-20# 0 . 940-1 0 +$+*(F4#N *+# 0 '" . ,"*1 2+ /"3+#-02"# ' R
3 1(2+ 2" * 0'4110$ 3"* ,"# +11+ -" . +02"*(+ 2 '" . . **0# 2"* +*
$42"* - #+*,+'1 3 2 *$# '$ 02 . - *$#01 3" ? #+*41$02 2 F4#N *+# 0
#+ . +$$ 2 0 '"-*+1: *4,+# "#('" . - "##00/0 '"- 2+-' 01 2020 ,+1
/"3+#-02"# ' 3 1 + ,+1 '" . . **0# 2"* +*$42"*(*";#+ *+#3 / + +
'1 3 ,#+*102 ,+1 ,#" +**"# -"* 11 . "* #+* 0--"*(+ *";#+ 0 *40
0,$ 20 ,0#0 '"-$ -40# - . 0/ *$+# "< "43 -2 '"-*+1: 2 #+*,+'1 3
1N'+4 -0' "-01

-$+-2+4 / "3+#- 9 + . 4 $ '"-3 -:0 80# #+/#0* '+#$0* + -
30# 03+ * *";#+ 0 D + 2
#0 *+4 -$4 $ 021 $0# '4 . ,# . +-$ 20* 2 *,"* /"+* 20 1+
-0 0,,1 '0/0 20* *" . . 0* 0"* -* 94+ ;+* +*10 2+* /-02"*(+ +*$0
;+1+'+# 0 *'01 *0/$ -+''**0# 0 ,0#0 0 *+/4#0-/0 20 0G+-20 ,4;1 '0
* 0* #+/#0* 8020* -0 ,"#$0# 0 2+ I I 2+ F4- :"<
A S? '"-*+1: *4,+# "# 0# 0 0F4*10# 0* '"-$0* 20* 2+*,+G0* 2"
+8,+2 +-1+ 2+ $"2"* "* 1N'+4*E 2+3+-2 " *012 +-1#0# . ,#+1+# 3+1
. +-$+ -"* '" #+* '+-$#0+* 2"* 2 *$# '$"* 2+-1#" 2+ - . . +G(+ *+# #+
. +$$ 20 0 /"3+#- 4 . 0 '"-10 /+#01 2"* *012"*(0 1- 2+ ,"2+# +8+#'
10# *+ 0 *+01 *0/0 *";#+ 0 +-$#+/0 25+*$+*
I S? . +* . '"-*+1: 2+3 0 '"11 / # "* "#/0 . +-$"* 2"* 1N'+4*
,0#0 ,#"8 . -$4# 0--"+'"-" . '"(#+ . +1$+-2" "* 0 /"3+#- '" .
0* '"-3+- +-$+* ";*+#30/"+*E 0 . 2+ ,"2+#+ . *+# ,"*$0* 0 2 *,"* /0
2"* #+ $"#+* 0* *" . . 0* -2 *,+-*03+ *



1 0' 0"*' +80 . +*' 20*' 2 *' ,1 -0*' 2"*' 1N'+4*' $"2"*' "*' . 0 - '+ ; "*' 94+' -5+1 '
1+*' *+' ,#", "G+**+ . (0 -20' 9 0-2"' -0"' $ 3+**+ . ' #+94+-102"' 094+11+*'
+*$0 ; +1+' . +-$"*E , "2+-2"(-"' '0*"' 2+' *+#+ . ' 0, ,#"302"*(" ;$+#' "*' #+*' '
, +'1 3"*' 2 ,1" . 0*(2+, " *' 2+' ,0/0#+ . ' 0*' 2+3 20*' ,#", -0*

?' '"-*+1 :"' *4 , +# "#' '"-*41$"4' "' /"3+#-"' *"; #+' 0' -1+11 /+-' 0'
25+*$+' 0#$ /"' ?' /"3+#-"(+#0' #+*, "*10(+G 0*' 2+'10#0/"+*' 94+' 2+ 80 . "*'
+80#020*(1+30-2" *+' 20' '"-* 2+#0/0"' 2+' 94+' "*' +80 . -0-2"*' +* #0-: "*'
0"*' 1N'+4*' -0' "-0+*' +*10"' *4F+ 1"*' 0"' ,#+3 "' ,0/0 . +-$"' 20*' ,#", -0*'
20*' . 0$# '410*('" . "' :0; 1 10BF0"' -+'+**0# 0' ,0#0' 02 . **0"' 0"' +80 . +' 20*'
2 *' ,1 -0*' 25+11+*' +-2"' 0** . (2+3 0 . ' +*10*' ,#", -0*' *+#' #+/ 20*' ,+10'
1080' 2+1+# . -020' -"' 0#$ /"' VS' 2"' . +* . "' 2+'#+1"' ,0#0' 0*' #00$# '410*'
2"*' 014 . -"*' "#2 -0# "*

+1"' 2+'#+1"' 2+' I6' 2+' F41 :"' ' ' ' ' ' '
' ' ' ' D ' " ' ' ' #00-20-2" *+' 94+' "**+'
2+*2+' 1"/"' ,"*$0' 0' '"-'4#*"

' '0#$0' 2+' 1+' 2+' AV' 2+' 0/"*1"' ."2) '"4' 0' 1+/ * 0 0"' #+10$ 30' 0'
$ ' ' * 9 ' ' * ' ' ' ' * ' '
' ' ' ' * ' ' ' GE[' ']' E[' ' ' '
EM ' ' ' EF\B' ' , ' ' ' * ' ' 1+' ' #+'
+#+ *+' $0 . ;+ . ' 0' . 0/ *$#02"*' F42 ' 0+*
' '4 , 0# -"* :+ . "*' -5+*$+' 1"/0#' 4- '0 . +-$+' '" . ' 0' -*$#4+/0"' *+R
'4-20# 0('" . "' 6' 2+' #0G0"
. ' 940-$"' 2' -*$#4' '0"' *4 , +# "#(3+F0' 02 0-$+' < ' '
: ' 0--"' 2+' ACD7
+# 0#0' 2 #+ $"' 0' *+#' F4 ; 102"*('" . ' "' "#2+-02"' , "#' -$+ #"' 20*'
'02+ #0*' + . ' 94+' *+' 0' : 0**+ . ' , #"3 2+*("*' , #" +**"#+*' 94+' '" . , 1+$0*'
+ . ' ID' 0--"' 2+' ;" . ' +' + +'$ 3"' *+#3 /"E 94+#+-2"(, "#+ . ('"-$ -40# -"'
:0/ *$+# "' +' 3+# '0-2" *+' 94+' +*$030 . ' + . ' ' #'4 . *$0-' 0*' 2+' "' +8+#'
'+#' '" . ' , #"F5+ $"' , 4 ; 1 '"(3+-'+# 0 . ' . 0 *' 4#-' $+#/"' 2+' "#2+-02"(2+R
, " *' 2+' # -$0' 0--"*' 2+' +/401' *+#3 /"
0"' $+# 0' '0 ; . +-$"' 0' F4 ; 10/0"(*+ . f"' , #" +**"#' $+#' '" . , 1+$02"'
0' +202+' 2+' D?' 0--"*
*' , #" +**"#+*' F4 ; 102"*' *+# 0 . ' , 0/+*' '" . "' + +'$ 3+*(+' '"-* 2+'
#02"*' 02F4-$"*' 0"*' *+4*' #+*, +'$ 3"*' +*$0 ; +1+' . +-$"*(, 0#0' , "2+#+ . '
+#' + . , #+/02"' + . ' *+#3 /"*' +8$#0"#2 -0# "*('" . , 0$ 3+ *' '" . ' 0*' *40*'
' #'4 . *$0-' 0*(-0"' *+-2"' -5+*1+*' '" . , #+ : +-2 20' 0' #+/+-' 0' 20*' '02+ R
#0*' B #$ /"' AS' +' *+4*']]
?' 0'#+*' . "' 2"' "#2+-02"(-"' '0*"' 2+' '"-$ -40/0"' 2"' . 0/ *$+# "(

W

J ' A7?' J

*+# 0' *4F+ $"' 0' 1"20*' 0*' 2+24' ' "+*' + . , "*$"*' 94"' 11 +' "**+ . ' 0, ,1 '0 ' 3+ *E . 0*' -0"' *+# 0' ' "-* 2+#02"' *"; #+' "*' 3+-' . +-$"*' ,0#0' -+- : 4#0' "41#"' + + $"' (B]' I(S 2"' 0#$ /"' I S

#+'+2+-2"' ' "-*4110' 0 # . 0$ 30' 2"' ' "-*+1: "' 2"' N'+4(' +' 0*' ' " . ' ,+$+-$+*' 03+# /40' "+*(," 2+# 0' "' /"3+#-"' 0, "*+-10#' "' ,#" +**"#' 2+' - ' *$#4' 0"' *+'4-20# 0(' 94+' . "#01' '4' , : N* '0 . +-$+' *+' . ,"** ; 1 0**+' ,0#0' ' "-$ -40#' -"' . 0/ *$+# "E ' " . ' $0-$"(," #+ . (94+' 1 3+**+(, +1"' . +-"*(A?' 0- -"*' 2+' ;" . ' +' + +'$ 3"' *+#3 ' "(, +1"*' 940+*' 3+-'+# 0' 4 . 0' $+#'0' ,0#$+' 2"' "#2+-02"E +' $+-2"' . 0 *' 2+(A?' 0- -"*(; '0# 0' ' " . ' 4#-' 04 ' / . +-$"' ,#", "#' "-01' 0"' -4 . +#"' 2+' 0- -"*' 94+' $ 3+* i +' 01+ . ' 2"*' A?' B #$' 7 S

*' ,#" +**"#+*' 94+(+ . ' 3 #$42+' 2+' 1 '+-'0' 2"' /"3+#-"(2+ 80**+ . ' $+ . , "#0# 0#0+-$+' "' +8+#' ' "' 20*' *40*' 4-' /"+*(, +#2+# 0 . ' . +$02+' 2"*' *+4*' 3+-' . +-$"*' +' 0 1 '+-/0' +8'+2+**+' 6' . +G+*(-0"' , +#'+ ; +# 0 . ' 3+-' ' . +-1, ' 01/4#0' *$"' . +* . "' *+' "; *+#30# 0' *+ . , #+' 94+(-0"' *+-2"' , "# . "$ 3"‖2+' . "1+*$ 0("4' 2+' + . , #+/"' + . ' 01/4 . 0' ' " . . **0"' 2"' /"3+#-"(-0"' *+' 0' : 0**+ . ' -"' #+ +# 2"' +8+#' " ' B #$' > S

' '030' #+*$0; +1+' 20' 0' 2 *, "* '0"' 2"' 0#$ /"' IA S' +' \[S' 2"' 2+'#+$"' 2+' A7' 2+' -"3+ . ; #"' 2+' AC76' B) 4+# 2 G+# 94+' -0"' , "2+# 0' 3+# '0#K*+' 2+ . **0"' *+ . ' , #+3 "' F41/0 . +-$"' , +#0-1+' "' , "2+# F42 ' 01E +' -"' '0*"' 2+‖ 01$0' ' " . #0+$1 20' -"' +8+#' ' "' 2"' . 0/ *$+# "(F4 /0 . +-1"' , "# F4#N' +*, +' &' 01

* 094' 0*' -"$ ' 0*' 94+' 0"' /"3+#-"' 2030' "' "-*+1: "' 4, +# "# 2+' -*$#4', 0"' 4 ; 1 '0(-"' *+-' #+10$"# "' 2+' IW' 2+' -"3+ . ; #"' 2+' AC77(' " . ' #+ +#+-' 0' 0"' 0- -"' 1+'1 3"' 2+' AC7I' 0' AC77

. ' $"2"*' "*' 2 *$# '1"*' +*$030 . ' +#0' +8+#' ' "' 0*' '02+ #0*' ' " . , +' $+-$+*E ' +8'+, '0"' 2+' +F0(40#20("#$0("-10' +1/020(+' 0- -0' 2"' 0*$+11"("-2+' -0"' :03 0 . ' , 2 2"' 0 -20' *+# , #"3 20*' #04 $0*' '02+ #0*(, "# -0"' $+#+ . ' 0, , 0#+' 2"' ", , "* $"#+*' -"*' #+, +1 2"*' ' "-'4#*"*

"' ' "-'+ $"' 2"' ' "-*+1: "(. +#+' 0 . ' +*, +' 01' +' : "-#"*-' . +-‖ 0"' "*' 1N'+4*' . 0 "#+*' 2+' " . ; #0(#0/0(*; "0' +' 4-' : 01

#0' *+4' , 0#+'+# 94+' "' +-* -"' 20*' *' +-' 0*' -24*$# 0+*' 2+3 0' 0**" ' 0#Z*+' 0"' 20*' : 4 . 0- 202+*E ' "-3 -2"' . 4 $"' 94+' 0*' 0#$+*' , : N* '0*(' : ' . '0*' +' 0/# ' "10*' "**+ . ' +-* -020*' -"*' 1N'+4*(2+; 0 8"' 2+' 4 . ' , "-$"' 2+' 3 *$0' , #0$ ' "' 0-$0F"*"' *+# 0' $013+G' 94+' 01/4-*' -2 3 24"*(; 0; 1 $0' 2"*' ' " . ' "*' , # -' , "*' 20*' *' +-' 0*' , : N* ' " . 01: +. 0$ '0*("**+ . ' 0"*' , 0 G+*' +*$#0-/+ #"*' +*$420#' "' . "2"' , "#94+' $0+*' +*' "10*' +*$030 . ' ' "#' /0- *020*(0' 1 . ' 2+' 0*' +* 0; +1+'+# +-1#+' -"*' +#0' 2+3 2"*' $+# . "*

2#0' 0*' '02+ #0*' 2"*' 3'+4*(: 03 0' AAC' 2+' /#0 . . 0$ '0' +' 1 - . 0

10$ -0E 7 2+ ,1-1"*", : 0 #0' "-01 + . "#01E + A 2" #: +1"# '0E 0- -+80* 0"* . +* . "* 1N'+4*(+ '"11"'020* -0* ' 202+* + 3 110* . 0 * , ", 41"*0*

0" :03 0 0 -20 +1+ . +-$"* '" . ,1+$+* ,0#0 *0;+# 9401 "#0 0 #+ 94+-' 0 20 -*$#4''0" *+'4-20# 0 -" 0- -" 1+'$ 3" 2+ ACDI 0 ACD7E . 0* ,#+*4 . 0 " '"-*+11 " 94+ +**0 #+9 +-' 0 -0" $ -:0 * 2" - +# "# 2" 0- -" 1+'$ 3" 0-$+# "# BACDA 0 ACDI (*$" +(+ . -4 . +#" 2+ 7<DAD 014 . -"*

3+#;0 2+ 2+*,+G0 3"$020 -" "#/0 . +-$" /+#01 2" +*102" ,0#0 0 -*$#4''0" *+'4-20# 0(2 3 2 20 ,"# 094+11+ -4 . +#"(2030 " #+*41102" 2+ ADF W7? #+ 2+ 2+*,+G0 ,"# '020 014 . -"(940-$ 0(94+ *+ 0,#"8 . 030 . 0 *(2" 94+ 0 20 -*$#4''0" ,# . 0# 0(20 94+ 0* +*10$ *1 '0* 2+ "4$#"* ,0 G+* '4 "* -2 '030 . E 0 -20 0** . (,"#+ . (" '"-*+1:" 0 F41 /030 +8'+** 30

0" '+**030 . 0* 94+ 80* '"-$#0 "* ,#" +**"#+* ,4;1 '"*(94+ *+ "''4,030 . -" +-* -"|| ,0#$ '410#

'+#$" 94+ " ,#" +**"# ,4;1 '"(+#0,#+/0-2" -" *+#3 '+ 2+ -$+ #+**+ ,+**"01 ,0#$+ 2" $+ . ," 3"$02" 0" *+#3 '+ ,4;1 '"(- " -*, #0 . 4 $0 '"- 10-'0(0 -20 94+ "* *+4* $01+-1"* + 0, ,1 '0/0" " :0; 1 1+ . ,0#0 ;+- '4 . ,# # 0* *40* 4-+'"+*

?' '"-*+1:" ," *(':0 . 030 "#1+ . +-$+ 0 0$$+-'0" 2" /"3+#-" *" ;#+ +*$+ , "-1"E + 0" . +* . " $+ . ," *"11 ' 1030 0 #+*"14'0" 2+ ,#", "*10* *40* 0 $01 #+*,+ $"(+ '+#'0 2+ "4$#"* 0**4 . ,$"* #+10$ 3+* -*$#4''0" *+'4-20# 0E

0 #+/'-' 0 94+ *+ *+/4 4 0" #+ -02" 20 *+-:"#0 (0 0 -3+ #+ . "* 0 . + . "#03+1 1+ 2+ AI 2+ 0/"*$" 2+ ACD>(94+ + . '020 4#- 2"* 1N'+4* 2+ *;"0(" . ;#0 + "#$" '#+"4 4 . 0 '02+ #0 2+ 0# 1: . +$ '0(01/+;#0 +1+ . +-$0#(+" . +$# 0 *N-$:+$ '0 +1+ . +-$0#(,# -' , "* 2+ $# /" -" . +$# 0 ,10-0(+ /+" . +$# 0 . 0$:+ . 0$ '0

"* 2+#00 * 1N'+4* *+# 0 . + *10* 2 *' ,1 -0* 1 20* -0* #+*,+'$ 30* '02+ #0* 2+ /+" . +$# 0 " 1N'+4 2+ *;"0 '"4 *4, ,# . 20 0 C Z '0R 2+ #0 B # -' , "* 2" : *$"# 0 -0$4#01 2"* $E+* #+ -"* 20 -0$4#+G0 0, ,1 '02"* 0#$+* + " ' -0*

+*2+ 1"/" '"4 '#+020 -"* 1 8+4* 2+ " . ;#0 + "#$" 4 . 0 '0R 2+ #0 2+ ,# -' , "* 2+ , :N* '0 + ': . '0 + -$#"24''0" : *$"# 0 -0$4R #01 2"* $#+* #+ -"*E + '"4 " /"3+#-" 04'$"# *02" ,0#0 # +*$0;+1+'+-2" +/40+* '02+ #0* -"* 1N'+4* 20* '0, $0+* 2"* 2 *$# '$"*

" 94" $"'0 0" 1N'+4 2+ 0-10#+ . (-'"#, "#02" -" + . -0# " 0R $# 0#': 01(" / "3+#-" 04'$"# *02" ,0#0 #+/410# +*,+' 01 . +-$+ "* #+* ,+' 3"* +*142"* + +-* -"

#010-2" *+' -5+*$+' '0, $41"' 2+' -*1#4') 0"' *+'4-20# 0(2+3+#0 . "*' 0110# 20*' ' ' ' +*$0;+1+' 20*' + . ' 2 3+#*0*' ,"3"0) "+*' 25+*$+' #+ -"

5+**+' 0**4 . ,$"(,"#2 . ($#010 . "*' -"' $" . "' 3 (,0/ ' I60' 0' IV?(-"' '0, $41"< : ' ' ' B ' ' D

94 ' 0,+"0*' 0,"-$0#+ . "*' 01/4 . 0*' +*,+' +*' 94+' 10' -4"' $ 3+#0 . ' '0 ' ; . +-$"

?' ,#" +**"#' 3 $01 ' "' 20' '02+ #0' 2+' /#0 . . 0$ '0' +' 1 -/40' 101 -0' 20' 3 110' 2+' 1#0020' ,#+1+-2+4' *+#' #0-* +# 2"' ,0#0' "' 1"/0#' 2+' *4;*1 4"' 20*' '02+ #0*' 2+' 10$. ' 20' '"#$+

. ' A?' 2+' F0-+ #"' 2+' AC>D' 2+'10#"4' "' /"3+#-"' 94+' 0' #+ +# 20' *4; ' $ $4 '0"' 2+3 0' *+#' ,"*$0' 0 '"-'4#*"(*+' ,"#3+-14#0' 6' ,#"3 . +-$"' 25+*$0' "**+' 2+' -2 *,+-*03+1' -+'+** 202+(*+ . ' 0' 9401(-+ . ' +*$+(-+ . ' "4$#"' 940194+# 1"/0# *+# 0' ,#", "*1"' 2' -" . +0/4"' 20' *";+#0-0

0-2"4 *+' ,#+'+2+#' 0' '"-'4#*"' ,0#0' "' ,#"3 . +-$"' 20' '02+ #0' 2+' /#0 . . 0$ '0' 10$ -0' 20' 3 110' 2+' 0-$0' #4G' 20' 1:0' #0' "*0

?' "-*+1:"' 4,+# "# 2+' -*$#4'/0"' 4;1 '0' $+3+' 243 20' 0' $01' #+*' ,+ 1"(3 *$"' '" . "' 2+ 80# 0 . ' 2+' '"-'"##+#' "*' ."#02"#+*' 20*' 11 0*(+' "**+ . ' ";# /02"*(-"*' $+# . "*' 2"' 0#$ /"' DW L' 2"' 2+'#+1"' 2+' I?' 2+' *+$+ . ' ;#"' 2+' AC>>(0' 3 #' 0G+# +80 . +*' -"*'1N'+4*'2+' *;"0("#$"("4' " . ;#0 . ' $#+*' 2+' *+$+ . ;#"' 2+' AC>D' #+*"13+4' "' /"3+#-"' . 0-20# 0;# # '"-'4#*"' -0"' *"' ,+#0-1+' "*' $#+*' -2 '02"*' 1N'+4*(*+-0"' $0 . ;+ . ' ,+ ' #0-$+' "' /"3+#-02"# ' 3 1' 2"' 2 *$# '$"' 2+' -/#0' 2+' +#" * . "(0"' 9401' *+# 0' +-3 020' 4 . 0' '", 0' 2"' 2+'#+$"' 94+' . 0-2030' 0;# # '"-'4#*"(F4-' $0 . +-$+' '" . ' 0*' -*$#4'/"+*' B ' +*$+' $+ . ,"' -0"' +*$030' 0 -20' '"-*$ $4 2"

"' '"-*+1:"' *4,+# "# *+' "#2+-030' 94+' ,#", "G+**+' 4 . ' ,#"F+'$"' 2+' #+/410 . +-$"(,0#0' ,"# . + "' 2+' ,#"3 2+-' 0*' /+#0+*' +' 2+ - $ 30*(80# "' . "2"' 94+' ;03 0' 2+' $+# -"*' '"-'4#*"*(:0;1 10/"+*(,#"3 . +-$"' 2"*' 1"/0#+*' 2"' . 0/ *$+# "' ,4;1 '"' +' ,0#$ '410#(+' -0' -*,+'/0"' 2"*' +*$42"*' -"*' 2 *$# '$"*' 02 . - *$#0$ 3"*' 20*' 1:0*' 20' 02+ #0("#$"' 0-$"(+' /"#+*

?' "-*+1:"' 4,+# "# 2+' -*$#4'/0"' 4;1 '0('"-*41$"4' 0' $#0-* +#+-' ' 0' 20' '02+ #0' 2+' 10$. (+*$0;+1+' 20' + . ' ##0 "11"*(,0#0' "-1+ 2# "' "3"(

?' /"3+#-"' ,+1"' 2+'#+$"' 2+' AV' 2+' 2+G+ . ;#"' 2+' AC>D(4-20-2" *+' -0*' - "# . 0/"+*' 20*' 04'$"# 202+*' '" . ,+$+-$+*(#+*"13+4' 94+' 0' #+ +# 20' '02+ #0' $ 3+**+' 25+-$0"' + . ' 2 0-$+' "' *+4' 0**+-$"' +#0' "-$+Z 6# "' "3"(

' " . "' *+-2"' 0 . 420-'0 2+' 1"'01 . 0" +*10 . +-$+' ,#" '40 ,0#0 0 . "' ' 202+' +*$42 "*0

' ,#", "* 1"' 20 ,#+$+-'0"' 2"' ,#" +**"# 2+' /#0 . . 0$ '0 +' 1 -/40 101 -0 20 3 110 2"' 0 . -:0(2+' ,0/0# ,+1"' 2+*'"-1"' 20 > =' ,0#$+' 2/' "# ' 2+-02"' "*' 2 #+ 1"*' 2+' . +#'+5, +1"' 2+*, 0':"' $+ . ,"#0# "(94+' "' . +* . "' '"-*+11 "' "#2+-0#0< +G "' /"3+#-"(+ . ' 20$0 2+' I> 2+' +3+#+ #"' 2+' AC"7(" 0*' *+/4 -1+*' +'10#0'"+*<

"' 0"' /"3+#-"' '" . ,+$+' 0G+# 0 -" . +0/0"' 2"*' ,#" +**"#+*' 2+' - ' *$#4 '0"' *+'4-20# 0(+8, +21-2" *+' "*' #+*, +'1 3"*' 2 ,1" . 0*' ,+1"' . - * ' $+# "' 2"' #+ -" Z

) 40-2"' -"' 0'$"' 2+' 4 . ' '"-'4#*"' "*' '0-2 20$+*' -0"' :"43+**+#0 202"' ,#"30*' *4 ' +-$+*' 2+' '0,0' 202+ 1 $$+#0# 0 ,0#0 +-$#0#+#0 -0 *+#' 3+-1 0 3 $01 ' 0 2+' 4 . 0 '02+ #0(+' '"-3 +**+' '" . $42"' ,#"3+# +*$0 $+ . ," ' #0# 0 . +-$+(,0#0 +3 $0# "' ,#+F4 G"' 20 01$0 2+' +-* -"(2+3+# 0 "' '"-' *+1:"' '"-*41$0# *+ . ,#+' Y" /"F +#-"(,0#0 #+*"13+# '" . "' "**+' F4*$"' +' '"-3+- +-$+

"' +-$0-$"(,"# +*$0 3+G '"- ##0"4' 0 -" . +0/0"' 94+' "' '"-*+1:"' *4R ,+# "# G+#0

8 *$ 0 0 -20 "' . ,"*$"' ,0#0 0 0 . "#$ *0/0"' 20*' -"$0*' 2"' ;0-'"' 2+' *;"0 + . ' > 2+' "414;#"' 2+' ACD7E +' ,"# **"' "#2+-"4' "' /"3+#-"' 0"' "-*+1:"' 4 ,+# "# 2+' -*$#4'/0"' 4;1 '0(94+' +8 / **+(0-$+*' 20 +8 ' ,+2 /0"' 2"' 2 ,1" . 0 2"' +-'0#$+' 2"*' ,#" +**"#+*' 2+' -*$#4'/0"' *+'4-20R # 0 ' ' ,0/0 . +-$"' 2"' #+ +# 2"' . ,"*$"(0G+-2"' ,0#0 +*$+' .' -0*' '" . ' ,+$+-1+*' /4 0*' 0*' -+'+**0# 0*' 2+'10#0/ +*

?' 0**4 . ,$"' F2+' 94+' $#0$0 . "*' -5+*$+' '0, $41"' & D " +' 20 . 0 "# #0-*'+-2+-' 0(+' ,"# **"' $+#-' * 2"' +*$4202"' + . ' 2 3+#*"*' ,+# "2"*' 2+' $+ . ,"E *+ . ' 94+($"203 0(*+' $+-:0 '"-*+/4 2"' 1+30#+*$+' #0+1 -2#"*"' . 0 ' ': - * . "' 22' +-* -"' ,4;1 '"' 0"' /#04' 2+' ,+# + /0"' 0 94+' 0*, #0 . ' "*' /"3+#' -"*(+' 0*' '"-3+- +-' 0*' *"' 0+*' 2+ . 0-20-F

-20 + . ' 0/"*1"' 2+' ACV6' 2+4' "' /"3+#-"' -+94 3"'0*' ,#"30*' 2+' 94+' 2+*+F030 B+' ,"# '+#$"' 2+*+F0(:"F+ ' '"-1# 1 4 # ,0#0 "' ,#"/#+**"' 20 ' ' 3 1 *0/0"' #+"#/0- *0-2"' 0 -*$#4'/0"' *+'4-20# 0(10-$"' -0 ,0#$+' #+10$ 3+' 0"*' +*$42"*' 1 $1+#0# "*' "4' '10** '"*('" . "' -" 94+' #+*, + $0 0"*' +*$42"*' *' +-$ '"*' "4' +*, +' 0+*' +' 2+' 0, , '0/0"

5+*$+' -$4 $"(-" . +"4' $0 20$0 . +-' "-020 4 . 0 '" . . **0"('" . ' ,"*$0 2+' ,+**"0*' '" . ,+$+-$+*(+-'0##+/020 2"' :+' ,#", +#< AS ", 10:"

/+#01' 20' #+ "# . 0' 20' -*$#4' '0"' *+'4-20# 0E' I L' "*' ,#"F+'$"*' ,0#0' +8+ '
'4'0"' 20' #+ "# . 0E' 7 S' 0' -0$4#+G0' 20' *4 , +# -$+-2+-' 0' 94+' 2+3+' +8+# '
'+# *+' *"; #+' "*' '"11+/ "*' +' +*'"10*' 2+' +-* -"' 1 3#+

2"' . 0 "# -$+#+**+' , 0#0' "*' 3+#202+ #"* '0 . /"*' 20' -*1#4' '0"' , 4 '
; 1 '0(+-'"-$#0# 09 ' 0' #+*+-:0' 2"*' , \|"-$"*' *"; #+' "*' 940+*' *+' , #+$+, 2+4'
"; $+# +*'10#+' . +-$"*(94+' :"-3+**+ . ' 2+' 0114 . 0# "' /"3+#-"' -0' 02" '
, /0"' 2+' , #"3 2+-' 0*' -5+*1+' , 0#$ '410#

0"' "*' *+/4 -$+*<

"-2)"+*' 2+' +8 *$+-' 0' +' *4*$+-$0 0"' 2"*' 2 3+#*"*' -*1 4"*(2+'
+-* -"' *+'4-20# "E' "' -4 . +#"(-2"1+' +' . ' 25+**+*' -*$ $ $"*E' 0' +8$+- '
*0"' +' 2 *$# ; 4 /0"' 20*' 2 *' , 1 -0*' 94+' -5+11+*' 2+3+ . ' *+#5 , #" +**020*E' "'
N$+ . 0' 2+' :0; 1 10/0"' , 0#0' "' , #"3 . +-$"' 2"*' 1"/0#+*' 2"' . 0/ *$+# " E'
0*' /0#0-$ 0*(2 #+ 1"*' +' 3+-' . +-$"*' 2"*' , #" +**"#+*E' "*' . +$:"2"*' 2+'
+-* -"' +' 02", /0"' 2"*' 1 3#"*' 2+' $+8$"E' 0' 2# . 0' 2"*' +80 . +*' 2+' 02 . **0"(
2+' , 0**0/+#0' +' 2+' *0 20' 2"*' 014 . -"*E' 0' '"-3+- +-' 0' 2+' , #"/#0 . . +*'
2"*' +*$42"*E' 0' -0$4#+G0' +' '" . , +$+-' 0' Z20' 02 . - *$#0/0"' +' -*, +'/0 '
*4 , +# "#

0 . ; + . ' "' /"3+#-"' , #+1+-2 0' *+#' +*'10#+' 2"' *"; #+' 0*' , #"3 2+-R
' 0*' 94+' '"-3 # 0' 02", $+#(, 0#0' 2+$+# . -0#' 0*' #+10/"+*' +-$#+' "*' +*$0 '
; +1+' . +-$"*' 2+' -*$#4' /0"' *+'4-20# 0(. 0-1 2"*' , +1"' +*$02"(+' "*' '#+ '
02"*' , "#' - ' 0$ 30' , 0#$ '410#' 5+*$+' , "-$"' +' -+'+**0# "' '"-' 1 0#' '" . '
"*' -1+#+**+*' 2"' *+#3 /"' , 4 ; 1 '"' "*' ; "-*' , # -' , "*' 2+' 1 ; +#202+(2+'
*"#$+' 94+' "' +-* -"' , 0#$ '410#' +' "' . - *$#02"' " ' 01 . +-$+' '"-$# ; 40 . '
, 0#0' *+' '"-*+/4 #' "' /#0-2+' ' 20' . 0 "# 2 4*0"' 20*' 14G+*' +'
2"' . 0 "# 2+*+-3"13 . +4$"' 20' +24'0/0"' -0' "-01

0G+ . "*' 0#2+-$+*' 3"$"*' , 0#0' 94+' 0' 114*$#020' '" . . **0"' 0 , #+*+-$+'
0"' /"3+#-"' 4 . ' $#0; 01:"(02+9402"' +' +1 '0G' , 0#0' *0$ * 0G+# >*' +8 /+-R
' +*' 20' ' 3 1 *0/0"' -5+*$+' . , "#$0-$ ** . "' #0 . "' 2"' +-* -"

+-2"' , "** 3+1' 94+' :0F0' 2+ . "#0' -0*' , #"3 2+-' 0*' 94+' +*$0"' +#0'
+8 , +'0 30(+' 2+*+F0-2"' -6*' 94+' +*$+' -"**"' #+, "* $"# "' '"-$+-:0' 0; 4-'
20-$+*' +1+ . +-$"*' 2+' +*$42"' 2"*' 0**4 . , $"*' 2+' 94+' 30 . "*' $#0$0-2"($+'
. "*' , "#' ', -3+- +-$+' " +#+'+\|\|' 0"*' 1+ $"#+*' 0*' *+/4 -$+*' -"$ ' 0*(94+'
+ . ' $"2"' "' $+ . , "(+' *+F0' 9401' "# 0' #+*"14/0"' 2"' . 4' 2 ' 1' , #"; 1+ . *(
:0"' 2+' *+# , #"3+ $"*0*

. ' 20$0' 2+' >' 2+' -"3+#0; #"' 2+' ACV6' " ' +8, +2 20' 0"*' #+ $"#+*' 2"*'
1N'+4*' 0' *+/4 -$+' , "#$0# 0

K +*+F0-2"' 0' '" . . **0"('#+020' , "# 2+'#+$"' 2+' I6' 2+' 0/"*$"'
41$. "' , 0#0' , #" , +# 0"' /"3+#-"' "' , 0-"' /+#01' +' "*' , #"F+'$"*' 2+'
') ' 94+' *+' 0; #0' , ' ' ' * ' 2

' ' ' - ' '"-3 20-2" *+' 2 #+'$0 . +-1+' "*' '"-*+1: "*' 2"*' 1N '
'+4*' -0' "-0+*' +' "*' 2 #+'1"#+*' 2"*' '"11+/ "*' 2+' +-* -"' 1 3#+' 0' * '
' ' ' ' ' ' * ' ' ' +' 2+'10#0-2" *+'
-"' # ' ' ; ' 94+' 0' '" . . **0"' 0'+ 10' '" . ' *0$ * 0/0"' $"2"*' 0*
#+*,"*$0*' 94+' :+' "#+ . ' +-3 020*(' +*'# ,10*' +' 0** /-020*' ,"#' 940+*94+#
,+**"0*' 3+#*020*' -"' 0**4 . ,$"<
0-20' ' ' +1 #+' #+#0+$1+#' 0"*' #+ $"#+*' 2"*' 1N'+4*' -0' "-0+*' 2"'
‖ "-$ -+-$+' 2" #+ -"' +' 20*' 1:0*' 02F0'+-1+*' - * ' ' ' '
- ' * ' "*' 940+*' *+#0"' 1"/"' 2 *$# ;4 2"*' ,+1"*' '"-*+1: "*'
2"*' 1N'+4*' +' ,+1"*' 2 #+'1"#+*' 2"*' '"11+/ "*' ,0#$ '410#+*' 2+' -*$#4'/0"'
+'4-20# 0' 1+/01#0+-1+' +$0;+1+' 2"*' -"*' #+*,+'1 3"*' 2 *$# '1"*(* ' 2
* ' ' ' ' (1 ' * ' ' * ' ' ' ' ' * ' 2
* ' ' ' '
,
41#"* #0' .0- 0' ' ' 0-"4-' 0#' -0' "1:0' " ' 01(94+' *+#0"' #+'+ '
; 20*' $"20*' 0*' #+*,"*$0*' 94+' *";#+' "*' 0#$ /"*' 2"' 94+*$ "-0# "' 94+ #0 . '
+-3 0#' 940*94+#' ,+**"0*(-"*' $'# . "*' 20' ,#", "*10' 20' '" . . **0" H
4 . ,#+' '"- +**0#' 94+' -0"' ,"2 0 . ' *+,' . 0 *' +3 2+-$+*' +' '0;0+*' 0*
,#"3 2+-' 0*' 2"' /"3+#-"(+ . ' 2+*+ . ,+-:"' 20*' +8 /+-' 0*' 20' '" . . **0"'
,0#0' *+' 0;# #' 4 . ' 10#/"' +' ,#" 4-2"' -94+# $"' *";#+' "' /#03+' 0**4 . ,$"(
0' .' 2"' 94+' 0' . +* . 0' '" . . **0"' '0**+' ,+# + $0 . +-$+' #"2+020' 2+' 14G
?' 94+*$ "-0# "' +10;"#02"' ,+10' '" . . **0"(+' #0-* . 1$ 2"' 0"*' #+ R
$"#+*' 2"*' 1N'+4*(0"*' #+*,+'1 3"*' '"-*+1: "*(0"*' 2 #+'1"#+*' 2"*' '"11+/ "*(
+' .01 . +-$'('" . . 4- '02"' 0' 940+*94+#' ,+**"0*' '" . ,+$+-$+*(6' "' *+'
/4 -1+<
A' S) 40+*' "*' 2+ + $"*' +' -'"-3+- +-$+*' 20' 0'$401' "#/0- *0/0"' 20
-*$#4'/0"' *+'4-20# 0' + . ' "#$4/01X' ' ((
I' S) 401' ' , 0-"' /+#01' 20' #+ "# . 0' 2"*' +*142"*' *+"4-20# "*X
7' S +#0' '"-3+- +-1+' '#+0#' 2 +#+-$+*' -*$ 4+*' 2+' +-* -"' *+'4-'
20# "' " ' 01('" . ' -2"1+' +' -*' 2 3+#*"*X
(>S) 401' ' -4 . +#"' 2+' '020' 4 . ' 2"*' -*$ 4+*' 2+' -*$#4'/0"' *+'4-R
20# 0X' + . ' 94+' 1"'01 202+*' '"-3 #' ' +*$0;+1+'+1 "*X
D' S *' 2 3+#*"*' 4*$ 14$"*' ,4;1 '"*' 2+' -*$#4'/0"' *+'4-20# 0' 2+3+ . '
*+#' 4- '0 . +-1+' *4*$+-$02"*' ,+1"' +*102"("4' $0 . ;+ . ' ,+1"*' 2 *$# '$"*' +'
,+1"*' '"-'+1: "*X ‖+*1+' '0*+('" . "' +' + . f 94+' ,#", "#/0"X
6' S) 40+*' *0"' 0*' 2 *' ,1 -0*' 94+' 2+3+-$' *+#(,#" +**020*' -"*' 2 +R
#+-$+*' -*$ 4+*' *+'4-20# "*X
V' S) 401' 0' 2 *$# ;4 /D"' . 0 *' '"-3+- +-$+' 2+**0*' 2 *' ,1 -0*X
C' S?' +-* -"' 2+3+' *+#' 1 3#+(*+ . ' $+8$"' ";# /02"(2 # / 2"' *2 . +-$+'
,"#' ,#"/#0 . . 0*' 2'*+-3"13 2"*X "-3 #0' 0-$+*' 02",$0#' 4- "# . +#0+- +'

W ' L' '" '0*"" 2+' :03+#' '" . ,+-2 "" " ' 01(' 0' 94+ . ' '" . ,+$+' +*+" ' :+1 "E' 0"" /"3+#-"(' +*'"10(' "0' 0' 4 . 0' '" . . **0"" +*,+' 01X' ' +*'"1:0' 2+3+#'1' #+*$# -/ # *+' 0"*' 1 3#"*' F0' 0, ,#"302"*' ,+1"" /"3+#-"X

A?' $ "-3 #0' +*$0;+1+'+#' '"-'0#*"" ,0#0' ,#+ . "*' 0"*' 04'$"#+*' 2"*' . +1:"#+*' '" . ,+-2 "*X' ' -"" '0*"" 0 # . 01 3"(' 9401' "" F4#N' ,0#0' 0' 02F42 ' '0/0"" 2"*' ,#+ . "*X

AA' $ ' 02 . **0"" 2"*' 014 . -"*' -"*' 2 3+#*"*' -*1 4"*' " ' 0+*' 2+3+' *+#' ,#+'+2 20' 2+' 01/4 . 0' :0; 1 $0/0"" ,#+,0#0$"# 0X') 401' +' ,"# 94+' . "2"" *+' 2+3+' ,#"30#' +**0' :0; 1 10/0"X

AI' $ * 014 . -"*' 2+3+#0' *+#' ";# /02"*' 0' *+/4 #' # /"#"*0 . +-1+' 0' "#2+ . ' 20*' 2 *' ,1 -0*' 2"" '4#*"" #+*,+'$ 3"(' "4' ,"2+#02' #+94+-$0#(' - ' 2 *$ -'$0 . +-1+' +' ,+10' "#2+ . ' 94+' :+*' ,0#+'+#(' +**0*' 2 *' ,1 -0*X

A7' $ +#2' '"-3+- +-$+' 94+ + . ' $"2"*(' "4' + . ' 01/4-*' 2"*' 2 3+#*"*' -*$ 4+*' 2+' -*$#4'/0"" *+'4-20# 0' 0' #+94+-' 0' 2"*' 014 . -"*' 94+' *4' F+ $0' 0"" -$+#-02"" "4' *+ . -$+#-02"X' -20' 940-2"" -0"" :0F0' *+ . -' $+#-02"" 2+3+ . ' +*$0;+1+'+# *+' *010*' 2+' +*$42"X' " . "" "#/0- *01 0*X' &

A>' $) 401' *+#0' "" *N*$+900' . 0 *' '"-3+- +-$+' 2+' +80 . +*' -"*' 2 3+#R *"*' -*$ $41"*' " ' 0+*' 2+' +-* -"" *+'4-20# "X

AD' $ +3+#0"" :0# . "- *0# *+' "*' +80 . +*' '" . ' 0' #+94+-' 0X

A6' $ +3+#0"" +*$0;+1+'+# *+' ,#+'+2+-' 0*' ,0#0' "*' "80 . +*X

' AV S' ' 94+' +80 . +*' 2+3+ . ' *01 * 0G+#' "*' 014 . -"*' 2"*' 2 3+#*"*' -' *$ 4"*' ,0#0' ";$+#+ . ' "" 2 ,1" . 0' " ' 01' 2"" '4#*"" #+*,+'$ 3"X

AC' $) 401' ' *N*$+ . 0' 2+' :0; 1 $0/0"‖ +' ,#"31 . +-$"" 2"*' ,#" +**"#+*' " ' 0+*' 2+' -*$#4'/0"" *+'4-20# 0X

AW' $ "-3 #' +*$0;+1+'+#' "" +-* -"' -"# . 01' *+'4-20# "X' "-2+' +' ,"# 94+' . "2"X

I?' $) 40-$"*' ,#" +**"#+*' 2+3+ . ' "# . 0# "" 9402#"" 2"*' 2 3+#*"*' -' *$ 14$"*' " ' 0+*' 2+' +-* -"" *+'4-20# "X

IA' $) 40+*' "*' 2 #+ $"*(/0#0-$ 0*' +' 3+-' #0+-$"*' 2$+**+*' ,#" +*R *"#+*X') 40+*' 0*' ,+-0*' 2 *' ,1 -0#+*' 0' 94+' 2+3+ . ' '0# *4F+ $"*(+' 0' "# . 0' 2"" ,#"'+**"" ,0#0' 0' 0, ,1 '0/0"" 2$+**0*' ,+-0*X

II' $ "-3 #' +*$0;+1+'+# . +1:"# 0' 2+' 3+-' . +-$"" 0"*' ,#" +**"#+*' " ' 0+*' 94+' *+' 2+*$ -/4 #+ . ' ,"# *+#3 /"*' 1 $$+#0# "*' "4' *' +-$ '"*' +8' $#0"#2 -0# "*X' "" '0*"" 0 # . 01 3"(' 9401' "" #0+ "" 2+' *+#+ . ' 2+3 20#0+-$+' 0,#+' 02"*' +**+*' *+#3 /"*X

I7' $ +3+' *+#' ,#": ; 2"" "+-* -"" ,0#$ '410#' 0"*' ,#" +**"#+*' " ' 0+*X

I>' $ ' F4; 10/0"" 2"*' ,#" +**"#+*' 2+' +-* -"" *+'4-20# "" 2+3+' *+#' 0' '41$0$ 30' "4' ";# /0$"# 0X

ID' $) 40+*' 0*' '"-2 /"+*' ,0#0' 0' +8 *$+-' 0' 2"" +-* -"" *+'4-20# "" 1 3#+X

I6 S * ,#" +**"#+* ,0#$ '410#+* 2+ -*$#4'/0" *+'4-20# 0 2+3+ . 1+# 1 141" 2+ :0; 1 $0'0"X

IV0L * 2 #+'$"#+* ,"2+ . 0;# # '"11+/ "* *+ . 04'$"# *0'0" +*,+' 01 2" /"3+#-"X

IC S 1+ 94+ ,"-$" *+ 2+3+ +*1+-2+# 0 0''0" 2" +*$02" *";#+ "* +*$0;+1"' .+-$"* 2+ +-* -" 1 3#+(-02 *" +#0 #+10'0" * *40* '"-2 /"+* N/ +- '0*(.0* 10 . ;+ . 0 $"20* 0* 94+ *+ #+ +#+ . 0 -*$#4''0" + +24 '0/0" 2+* 01 4 , -"*X

IW S * *+ . -0# +* 2+3+ . *+# '"-* 2+#02"* '"11+/ "* ,0#$ '410#+* 940-2" +-* -0 . +*$420-1+* 94+ -0" *+ 2+*1 -0 . 0" +*$02" +''1+* 0*1 '"X

7? S) 40+*Z2+3+ . *+# "* . + "* ,"# 94+ *+ 2+3+ +8+#'+# 0 -*,+' 0" 2" /"3+#-" *";#+ "* +*$0;+1+' .+-$"* 2+ +-* -" 1 3#+ 0"* 2"* 014 . -"* 20 F4*$0 1 ;+#202+XZ(

7A S 94+ '"-2 '"+* 2+3+ *+# *4F+ 10 0 02 . **0" 2"* 014 . -"* +8 1+#-"* 0"* +80 . +* 2"* -*1 141"* "1 ' 0+* 2+ -*$#4''0" *+'4-20# 0X

7I S "2"* "* 014 . -"* 94+ ,#+1+-2+#+ . 4 . 0 1 0; 1 $0'0" 2+ - *1#4') 0" *+'4-20# 0 2+3+ . *+# ";# /02"* 0 #+94+-$0# "* -*$ 4"* "1 ' 0+*X

77 S +3+#0" *+# +94 ,0#02"* "* +80 . +* 2"* 014 . -"* 2" +-* -" 1 3#+ 0"* 2"* 014 . -"* 2" +-* -" " ' 01X

7> S " . " *4 , ,# # -0 0 ,#+' 0'0" + F41/0#0+-$" 2"* 014 . -"* 2" +-* -" 1 3#+ 0 01$0 2+ #+94+-' 0 -"* +*$0;+1+' .+-$"* 2+ +-* -" " ' 01X

7D S +#0 '"-3+- +-1+|" +*$0;+1+' .+-1" 2+ '4#*"* 1 3#+* F4-$" 2"* -*$ 4+* 2" +*$02"(+ . '"-''##+-' 0 '" . "* '4#*"* " ' 0+*X

76 S) 40+* 0* /0#0-$ 0* 94+ 2+3+ . $+# "* ,#" +**"#+* 25+**+* '4#R *"* 1 3#+* 940-2" *+ $"#-+ . 2 /-"* ,+1" ,#"/#+**" 2"* 014 . -"* "4 ,+10 *4 ,+# "# 202+ 2" . +$:"2" 2+ +-* -"X

7V S) 401 05 2#. 0 20 *4 ,+# -$+-2+-' 0 2" /"3+#-" (-0* +*''10* " ' 0+* + 1 3#+* 2 , +-* -" *+'4-20# "X

7C S +#> '"-3+- +-$+ 0 '#+0 ,0" 2+ -*,+'$"#+* +*,+' 0+* 2+ -R *$#4''0" *+'4-20# 0X

0* 0"* 1+ $"#+* -$+#+**0 . 0 * 0 /4-$, -"$ ' 0 2" 94" 0 2") 2 0" ,"2+ . 2+ 80# 2+ +8 / # 4 . 0 -2 '0'0" 2" . "2+ ,"#94+ "#0 . #+*,"-2 2"* "* 94+* $"* 5'" . " +8+ . F " 20 -$+11 /+"' 0 94+ 0 +*1+* *+ 2+4(+ '" . " 0 . "*$#0 2" 94+ + . /+#01 *+ ,+-*"4 0'+#'0 20 #+R "# . 0 2"* 1N'+4*

0" *+-2"(,"#+#0(,"** 3+1 20# /#0-2+ +8$+-*0" 0 $01 +*'10#+' . +-$"(#+*"13+#0" -"* 0 ,6# 2 0-$+ 2"* "1:"* 2"* 1+ $"#+* 0* #+*,"*$0* 94+ 2+4 " '"-*+1:" 2" N'+4 0' "-01 2+ *;"0 Z

% * ' ' E+ , J A U * ;0*+* 01*0* ' . ' 94+ 0**+-$0 0 +24'0 0 <(' :0 . 020 ,# #00# 0E

I ' S ' 01$0 2+ ,#"/#0 . . 0* . +$:"2 '0 . +-$+ '""#2+-02"* + 2+*+- 3"13 2"*(+ "41#"* . ' 2+ ' " . ,+-2 "* 94+ :+* *+F0 . ' 0'"#0 . "202"*E

7 ' S ' -'"-3+- +-$+ 2 *1# ;4 X0" 2" $+ . ," 94+(-" , 0-" 2+ +*14 2"* *+'4-20# "* +#0 3 /"#(6 2+*$ -02" 0" +-* -"E

> ' S ' ,"4'0 "4 -+-:4 . 0 . ,"#$0-+ 0 94+(,+1" *N*$+ . 0 25+80 . +* 2+'#+102" +#0 7A 2+ . 0#/" 2+ ACV7(*+ $+ . ' 202" 0 #+94+-' 0 2" +-R * -" " ' 01E

D ' S ' -2"1+ 940* ' +8'14* 30 . +-1+$:+"# '0 2020 0$+ :"F+ 0" +-* -" *+'4-20# "(94+ 2+ 80 ," # **" 2+ :0; 1 $0# 0* /+#0'"+* -"30* '" . ' "* '"-:+' . +-$"* ,#+' *"* ,0#0 " ;"#0 2+*+ . ,+-1 " 2"* 2 3+#*"* #0#0"* 20 0'$ 3 202+ -0' "-01(" 94+ ,#"36 . ' 2+ *+ :03+# '"-* 2+#02" 0 -*1#4''0" 25+*10 "#2+#0 0,+-0* '" . " ,#+,0#0$"# " 2+ +*142"* *4,+# "#+*(+ -0" $0 . ;+ . ' '" . " ;0; 1 $0/0" ,#" ** "-01E

6 ' S ' 01$0 2+ 3+#202+ #"* 3 -'41"* F4-2 '"* + #0"#0+* +-$#+ "* ,#" + **"#+* + "* #+*,+'$ 3"* 014 . -"*E

V ' S +#+ . ' 0* 1+ * + #+/410 . +-$"* 2+ -*1#4''0" 2+ 802" 2+ $"#-0# +8$+-* 30 0" ,#" +**"#02" 0 2 *,"* ' " 2" '"2 /" ,+-01(1 3#" I S($ $41" 7 S('0, $41" I S(94+ +*$0;+1+'+ 0* ,+-0* +#0 94+ -'"##+ 94+#-' " +-2+ 0* 04'$"# 202+*E

C ' S ' 01$0 2+ +2 ' "* ,#",# "*(02+9402"* 0" +-* -" " ' 01 + 2 /-"* 25+11+E

W ' S ' 01$0(-"* -*$ 4"* 2+ +-* -" *+'4-20# " 2" +*$02"(2+ ,+* *"01 ;0*$0-$+ + '" . ' 0 -+'+**0# 0 2"-+ 202+ ,0#0 0 #00-4$+-'0" 20 ;"0 ,"= ' 0 +*'"10#(*+ . ' '4F0 '"-2 '0" 2+ 80#0 *+ . ,#+ " ,4;1 '" +#0 /+#01 2+ '"- 0# 1:+* *+4* 1:"*(+*,+' 01 . +-$+ *+-2" +*$+* 2+ $+-#0 +202+E

0+*(+-$#+ "4$#"*(-"* ,0#+'+ 94+ *0" "* 2+ + $"* + -'"-3+- +- $+* 20 -*1#4''0" *+'4-20# 0 +#0 "#$4/01

% * ' ' I S , J ?' '"-*+1:" 2" 1N'+4 -0' "-01 '1+ *;"0('"-* 2+#0-2" 94+ ' 4 . ' ;" . ' , 0-" 2+ +*$42"* 2+3+ *+# " 2+*+-3"13 . +-1" :0# . "- '" 2" , :N* '" +' . "#01 2" :" . + . E

"-* 2+#0-2" 94+ 0* 2 *' ,1 -0* 94+ "# . 0 . ' " '"#," 2+ 2"4$# -0 *+'4-20# 0 2+3+ . ' *+# 2 *1# ;4 20* + . ' '"- "# . 202+ 20* 1+ * 2" +-$+- 2 . +- "(2+3+-2"(0** . (*+# ,# . + #" +-* :020* 0* 94+ 2+ . 0-20 . ' . +-"* #+ 1+80" + *4''+** 30 . +-$+ 0* 94+ 3D" '0#+'+-2" 2+ . 0 * . +2 $0'0" + #0' "' - "E

"-* 2+#0-2" 94+ $"20 0 #+ "# . 0 2+ -*1#4''0" 2+3+ $+-2+# 0"

J ˢ 7 ; :ˢ J

. 08 . "ˢ 0 , #"3+ 10 . + -1"ˢ 2"*ˢ 014 . -"*ˢ -"ˢ . 1- . "ˢ +* , 0/"ˢ 2+ˢ $+ . , "ˢ , "* ˢ
* 3+1E

-$+-2+ˢ 2+3+#ˢ , #" , +#<

A ˢ Sˢ ˢ '#+0/0"ˢ 2+ˢ -*1 141"*ˢ , #" 1** "-0+*(ˢ *$"ˢ +(ˢ 2+ˢ 0/# '41$4#0(ˢ - ˢ
24*1# 0ˢ "4ˢ '" . . +#' "(ˢ *+/4-2"ˢ 0*ˢ '"-2 /"+*ˢ +ˢ -+'+** 202+*ˢ 1"'0+*(ˢ -0*ˢ
, "3"0/"+*ˢ . 0 *ˢ . , "#$0-$+*ˢ 2"ˢ '"- -+-$+ˢ 2"ˢ #+ -"ˢ +ˢ 1:0*ˢ 02F0'+-$+*Eˢ
"*ˢ 940+*ˢ *+#0"ˢ "#/0- *02"*ˢ '"#0"ˢ *+ˢ *+/4+

ˢ ˢ ˢ ˢ *

"#14/4+GEˢ #0-'+GEˢ /+"/#0 , : 0Eˢ : *$"# 0Eˢ . 01:+ . 0$ '0ˢ B$ Zˢ , 0#$+ Eˢ
, 1 N* '0ˢ "ˢ '1 . '0Eˢ -1#"24'/0"ˢ ˢ :F*1"# 0ˢ -0$4#01Eˢ 2+*+-:"

-' , "*ˢ 2+ˢ 2 #+ $"ˢ 02 . - *$#01 3"ˢ +ˢ 2+ˢ +'"-" . 0ˢ , "1 $ '0

1+ . ˢ 25+*10*ˢ '02+ #0*(ˢ 94+ˢ *+#0"ˢ '" , . 4-*ˢ 0ˢ $"2"*ˢ "*ˢ -*1 14$"*(ˢ
:03+#2ˢ 0*ˢ 02+94020*ˢ 0ˢ -2"1+ˢ , 0#$ '410#ˢ 2+ˢ '020ˢ -*$ 4"

I ˢ Sˢ ˢ +8$ -+/0"ˢ 2+ˢ $"2"*ˢ "*ˢ 1N'+4*ˢ -0' "-0+*(ˢ +8'+ , $"ˢ "*ˢ 2+ˢ *;"0ˢ
" . ;#0ˢ +ˢ "#$"(ˢ +#0ˢ '020ˢ 4 . ˢ 2"*ˢ 940+*ˢ *+ˢ , #" +**0#2ˢ 4 . ˢ '4#*"ˢ /+#01ˢ
2+ˢ +*$42"*(ˢ 94+ˢ *+#0ˢ "# . 02"ˢ '" . ˢ 0*ˢ 2 *' , 1 -0*ˢ +ˢ "#2+#0 *+/4 -$+*<

"-"* □ '4#*"	10'1, -0*	4ˢ 2+ˢ 0410ˢ , "# *+ . 0-0	"#0*ˢ 2"ˢ 0410ˢ , "# *+ . 0-0	"$01ˢ 20*ˢ : "#0*ˢ 2+ˢ 0410ˢ , "#ˢ *+ . 0-0
I)%6%#H		>	6	
2H 0) 1		>	6	
#&#+(		7	> [	I I ? 1
/ 1 +0&) *0		I	>	A J6
I)%6%#H		7	> [	
0, 1	T	7	> G	
0+##H		7	>ˢ G	ˢ II
#&#+(ˢ		7	>ˢ G	
/ 1 +0&) *0		I	>	
I)%6%#H		I	7	
0) 1		7	>ˢ G	
0+*#H		7	> G	
+6)#Hˢ #ˢ #&$#*) /0ˢ) ,)# 0)% 0.		7	> G	IWˢ G
))#10		7ˢ K	>ˢ ?	
#&#+(		7	>ˢ G	
/ 1 +0&) *0		'	>	

. 7 D L

- - "* 2" '0#+"	*' ,1 -0*	0* 2+ 0410 ,"# *+ . 0-0	"#00 2+ 0410 ,+# ' . 040	"$01 20* : "#00 2" 0410* ,"# *" . "-0
> f	0) 1	7	> ?	
	0+*#H # #&$#*) 20) ,,# 0,% 0	I	7	
	+6)#H	7	> G	
	))#1 0 # #&$#*) 20) ,,# 0,% 0	7	> G	M IC G
	0,(#1 0, *0	7	> ?	
	#&#+(	7	> G	
	/ 1 +0&) *0 4	A	7	
D `	02 1 # #&$#*) 20) ,,# 0,% 0	7	> G A	
	+6)#H # #&$#*) 20) ,,# 0,% 0KKKKK	I	7	
	))#1 0	&I	7	
	#6 # #&$#*) 20)),# 0)% 0......	7	> G	5 M %
	0,(#1 0, *0	7	> G	
	# 6 0$(0	7	> G	
	&, 0	I	7	
	/ 1 +0&) *0	A	7	
6 `	#6 KKKKK4	I	7 .	
	0,(#1 0, *0	7	> G	
	# 6 0$(0	I	7	
	&, 0 =	7	> G	7?
	I ( ) & $(0	7	> G	
	(#, *0 #) ,,# 0,% 0 +0* +0@	>	6	
	I (/& *0 # *(1 *0	7	> G	
V U	#6 + #&$#*) 20) ,,# 0,% 0 J	7	> (=G	
	I ( ) & $(0	>	6	
	),# 0)% 0	>	6	IC G &
	+, "%*60	7	> G	
	* + 1 0 $) , *0 # #&,0, &, *0	7	> G	
	0,(#1 0, *0 &	I	7	

\ [ ) ,#+F42 '02"

% * U [, J #+* 1N'+4*(4 . +#0 *;"0("4$#" +#0 " . ;#0("4$#" -" "#$"

-*$ 4"* ,#" 1** "-0+* -0* 1"'01 202+ 94+ " /"3+#-" F4 /0# . 0 * '"-3+- +-$+*

% * B[, @9 1N'+4* 2+3+#0 *+# *4*$+-$02"* ,+1 +*$02"

ˢ -$ $41"*ˢ ,#" ** "-0+*ˢ *4*1+-102"*ˢ ,+1"ˢ +*102"ˢ +ˢ ,+1"ˢ 2 *$# '1"ˢ + .ˢ ,#","#/"+*ˢ '"-3+- +-1+*

+ˢ VSˢ 9 ˢ ,#+F42 '02"*

% * ˢ ˢ C S(ˢ C S(ˢ E/[ˢ , J ˢ "-3+ .ˢ 94+ˢ :0F0ˢ ,#"/#0 .ˢ .0*ˢ 2+*+-3"13 2"*ˢ ,0#0ˢ "ˢ +-* -"ˢ 2+ˢ '020ˢ 2 *' ,1 -0Eˢ 94+ˢ -0"ˢ :0F0ˢ '" .ˢ ,+-2 "*ˢ " 1 ' 0+Z(ˢ .0*ˢ * .ˢ +*'"1: 2"*ˢ +ˢ 0, ,#"302"*ˢ ,+1"*ˢ '"-*+1:"*ˢ 2"*ˢ -*1 4"*ˢ " ' 0+*ˢ *+'4-20# "*Eˢ 94+ˢ :0F0ˢ ,#+ N"*ˢ ,0#0ˢ "*ˢ 04'1"#+*ˢ 2"*ˢ .+1:"#+*ˢ '" . ,+-2 "*(ˢ +ˢ 94+ˢ "ˢ F4#Nˢ ,0#0ˢ 0ˢ #+*,+'1 30ˢ 02F42 '0/0"ˢ *+F0ˢ '" . ,"*1"ˢ 2+ˢ '*,+' 01 *$0*ˢ 20ˢ 2"41# -0

% * ˢ ˢ [Pˢ , J +3+ˢ :0@W+#ˢ +80 .+ˢ 2+ˢ 02 . **0"ˢ + 1"ˢ -"ˢ +*10;+1+' .+-$"ˢ 94+ˢ "ˢ +80 . -0-2"ˢ ,#+$+-2+#ˢ #+94+-$0#
5+*$+ˢ +80 .+ˢ - "ˢ *+ˢ ,0**0#0ˢ '+#1 20"ˢ 0#0ˢ 0ˢ .0$# '410ˢ 2"*ˢ 0--"*ˢ ,"*$+# "#+*ˢ 0"ˢ ,# .+#"ˢ 2"ˢ '4#*"ˢ *+#0ˢ :0; 1 $0/0"ˢ 0ˢ 0, ,#"30/0"ˢ 2"*ˢ 0--"*ˢ 0-1+# "#+*ˢ "*ˢ 014#0-"*ˢ ,"#+ .ˢ 2+ˢ 940194+#ˢ -*$ 4+ˢ 2+ˢ -*$#4'ˢ /0"ˢ *+'4-20# 0ˢ 2+3+ˢ ,+# . $1 # *+(ˢ '"#0"ˢ 0'140 - +-$+ˢ *+ˢ ,+# . $$+(ˢ "ˢ #0-ˢ * $0#+ .(ˢ 24#0-$+ˢ "ˢ 0--"ˢ 1+'$ 3"(ˢ 25+11+ˢ ,0#0ˢ "4$#"ˢ 2+ˢ '/401ˢ '0$+/"# 0ˢ "-ˢ 2+ˢ '0$+/"# 0ˢ *4,+# "#ˢ ,0#0ˢ - +# "#

% * ˢ ˢ EG[ˢ +3+ .ˢ *+/4 #ˢ # /"#"*0 .+-$+ˢ 0ˢ "#2+ . 20*ˢ 2 *' ,1 -0*ˢ 94+ˢ *0"ˢ -+'+**0# 0*ˢ '" . "ˢ ,#+,0#0$"# +*ˢ ,0#0ˢ "*ˢ '4#*+*ˢ *4,+# "#+*ˢ 0ˢ 94+ˢ *+ˢ 2+*$ -0 .

% * ˢ ˢ E\[ˢ , J +3+ˢ :03+#ˢ *+ . -$+#-02"(ˢ '" .ˢ *010*ˢ 2+ˢ +*$42"ˢ ,#+* 2 2"ˢ ,"#ˢ 4#-ˢ "4ˢ .0 *ˢ ,#" +**"#+*(ˢ *+-2"ˢ 2 3 2 20*ˢ 0*ˢ *0R 10*ˢ 2+ˢ +*$42"ˢ + .ˢ 10-$0*ˢ *++/ +*(ˢ 940-$"ˢ "*ˢ /#4,"*ˢ 2+ˢ 2 *' ,1 -0*ˢ 0-0ˢ 1"/0*(ˢ +ˢ ,#","#' "-0-2" *+ˢ 0"*ˢ +*$420-$+*ˢ $42"ˢ "ˢ 94+ˢ "#ˢ ,#+' *"ˢ ,0#0ˢ ,#+,0#0/0"ˢ 20*ˢ *40*ˢ 1 /"+*(ˢ +ˢ 4 .0ˢ #+ + /0"ˢ #4/01ˢ ,0#0ˢ "*ˢ 946ˢ 94 G+#+ .ˢ 25+110ˢ 0,#"3+ $0# *+ˢ .+2 0-$+ˢ #+$# ;4 /0"ˢ #0"2 '0

% * ˢ ˢ EU[ˢ , J *ˢ 014 .-"*Zˢ 2+3+ .ˢ 0G+#ˢ +80 .+ˢ 2+ˢ '020ˢ 4 .0ˢ 20*ˢ 2 *' ,1 -0*ˢ 2"ˢ 0--"Eˢ +ˢ -7"ˢ ,"2+#0" ˢ ,0**0#ˢ ,0#0ˢ "ˢ 0--"ˢ *+ˢ /4 -$+ˢ *+ .ˢ ";$+#+#0ˢ 0, ,#"30/0"ˢ 2+ˢ $"20*ˢ 0*ˢ 2 *' ,1 -0*ˢ "ˢ '0*+ˢ 2+ˢ *+#ˢ #+,#"302"ˢ + .ˢ 4 .0ˢ "4ˢ .0 *ˢ 2 *' ,1 -0*(ˢ +ˢ ";# /02"ˢ 0ˢ #+94+-' 0ˢ 2+ˢ $"20*ˢ 0*ˢ 25+**+ˢ 0--"(ˢ .0*ˢ "ˢ 014 .-"ˢ 94+ˢ 1 3+#ˢ * 2+ˢ 0, ,#"302"ˢ -0ˢ .0 "# 0ˢ 0*ˢ 2 *' ,1 -0*ˢ 2"ˢ 0--"ˢ ,"2+#2ˢ #+,+$ #ˢ + .ˢ "4$4;#"ˢ "*ˢ +80 .+*ˢ 25094+1ˢ 10ˢ + .ˢ 94+ˢ :"43+#ˢ * 2"ˢ #+,#"302"ˢ + .ˢ F41:"
*ˢ F4#FWˢ *+#0"ˢ '" . ,"*1"*ˢ 2+ˢ 2" *ˢ ,#" +**"#+*ˢ 2"ˢ 1N'+4(ˢ -" .+02"*

,+1"' '"-*+1:"(' +' 2+' 4 .' ,#+* 2+-$+(' -" . +02"' ,+1"' /"3+#-"' ' 0"' *+' 2+3+' ,0**0#' '+#1 20"' 2+' '020' +80 . + ' . 0*' * .' 2+' 0- -"

% * ' ' EM[' , @ # ' -"*' -*1 4"*' " ' 0+*

EB[') ' ,#+F42 '02"

% * ' ' EL [' , J +3+ . ' $+#' 0, ,#"30'0"' 2+' $"20*' 0*' 2 *' ' ,1 -0*' +#0' :0# . "- 0' '" .' 0*' ,#"30*' 2+' 02 . **0"' -"*' '4#*"*' * ,+# "#+* "' 014#0-"' 94+' 1 3+#' 0, ,#"30/0"' 2+' $"20*' 0*' 2 *' ,1 -0*' 2"' '4#*"' 2"' 1N'+4' *+' ,"2+#2' g 0**0#' '0#$0' 2+' ;0':0#+1' +#0' 1+$$#0*

% * ' ' EF [' , W J ' +3+#0' $+#' '"#0"' :0; 1 $0/0"' "' '4#*"' /+#01' 2"*' 1N'+4*' "4' 2+' +*'"10' *4,+# "#(' +3+ .' 20# ,#"30' 2+' '"-' '4#*"' +' $ #"' - "' 2+' 2" *' 0- -"*(2+," *' 2"' 9401' *+#0"' ,#"3 2+*' 2+ - 1 ' 30 . +-$+

EH[') ' ,#+F42 '02"' ,+1"' 0-$+'+2+-$+

% * ' ' G/ [' , J "*' 1N'+4*' $#+G+' ,#" +**"#+*' "*' -' *$ 4"*' ,#" ** "-0+*' *+ *

% * ' ' GE [' , J 020' ,#" +**"# 3+-'+# ' W??\eB??? #+ *('0-2"' ";# /02"' 0' #+/+# 2 0# 0 . +-1+' 240*' 0410*("4' 0' 0G+# *+#3 /"' +941301+-$+' -0*' *010*' 2+' +*$42"E $ #0' "*' 2 #+ $"*' +' /0#0-$ 0*' 0'140+*(+' $"#-0# *+ 11 + :0' +81+-* 30' 0' 2 *,"* /0"' 2"' 0#$ /"' IA L' 2"' 2+'#+$"' 2+' I?' 2+' *+$+ . ;#"' 2+' AC>>(+' /"*0#0"' 20*' /0#0-$ 0*' '"-'+2 20*' * 04'$"' # 202+*' -"*' $+# . "*' 2"' '"2 /"' ,+-01(1 3#"' I L(' $ $41"' 7 L' '0, $41"' I L(' +' -01#0+-$+' *+# 1:+*' :0"' 0, ,1 '020*' 0*' ,+-0*' 2 *' , -0#+*' +' #+*,+'$ 3+' ,#"'+**"' 20' 1+/ *10/0"' 0'$401

% * ' ' GG [' , J 0"

% * ' ' G\ [' , J #": ; 2"' -"' '0*"' 2+' *+# +1+302"' "' 3+-' . +-$"' 0' W?? ???' #+ *

% * ' ' GU [' , J ') 4+' *+' * /0 .' 0*' 2 *,"* /"+*' 94+' 3 /"' #0 .' "4' 3 /"#0#+ .' ,0#0' 0 -*$#4+/0"' *4,+# "#

% * ' ' GM ['GB ['GL [' GF ['', * J A0 1 3#+(' '" .' = 6

94+' "*' 2 #+'$"#+*' 2+' '"11+/ "*' +' 0410*' *01 *#0'0 . ' ' 4#-' '+#1"' -4 . +#"' 2+' ,#+*'# , /"+*' 94+' $+- :0#0' , "#' "; F+ '1"<
A ' f *' '"-2 '"+*' :N/ +- '0*' 2"*' +2 ' "*E
I ' S *' ,#+'+2+-1+*' +' . "#01 202+' 2"W, +**"01E
7 ' S *' $ 141"*' 2+' :0; 1 $0/0"' *' +-1 '0' 2"*' ,#" +**"#+*

% * ' ' G [' , J +3+ .

% * ' ' DBDS , @@ "# . +1"' 2+' 2+1+/02"*' 2"' /"3+#-"

D S(' \G [' DD S' ' \U [') ' ,#+F 2 '02"*

% * ' ' \M [' , J ' 0"

\B [') ' ,#+F42 '02"

% * ' ' \L [' , @6 . ' 1N'+4*' *4 , +#1-$+-2+' 6' /"3+#-"' , "# . + "' 2"' ':+ +' 2"' +*10;+1+' . +-$"(+' -"*' -*1 14$"*' 1 3#+*' "' /"3+#-"' $+#-' 0' -*, +'/0"(+' , 62+' -0-20# +' :0# $0+*' +*$0;+1+' . +-1"*' *+' "*' 2 ' #+'$"#+*' -0"' *0$ * G+#+ . ' 0*' 2 *, "* /"+*' 1+/0+*
"*' -*1 14$"*' ,#" ** "-0+*' , "# . + "' 2+' -*, +'$"#+*

% * ' ' \F [' , J *' -*$ 4+*' 2+' +-* -"' *+'4-20# "' -0"' 0/#4 , 02"*' + . ' #+*' '1#'4 . *'# , /"+*(*; "0(" . ; #0' +' "#$"' *' #+ ' $"#+*' *+#0"' -*, +'$"#+*' +' :03+# ' 2" *' " ' $#+*' *4 ; -*, +'1"#+*(+ . ' '020' ' #'4 . *'# , / "

0**4 . , 1"' . 4 $"' . , "#$0-$+('" . ' #+10/0"' 0"*' 1N'+4*("' *+#3 5/"' 2"*' -
"*' $+# . "*' 2"' #+/410 . +-$"' 2+' 7A' 2+' . 0#/"' 2+' ACV7(2 0*' * "' 0*' +*, +' +*' 2+' +80 . +*' 2"*' 014 . -"*' 2"*' 1N'+4*< AS -' ' * 2' I Z' -'
' , # . + #"' *+#3+ . ' , 0#0' "*' 014 . -"*' *+#+ . ' 02 . $1 2"*' 0"' 0- -"' . . +2 010#-+-$+' *4 , +# "# 20' 2 *' , 1 -0' 94+' #+94+-$0 . (+' *0"' + $"*' -"*' 1N'+4*' , +#0-$+' "*' #+*, +'$ 3"*' , #" +**"#+*
' +80 . +' -0+*' 3+#*0 . ' *"; #+' 0*' . 0$+# 0*' 2"' 41$. "' 0- -"' 2+' 940194+# 2 *' , 1 -0' , #" +**020' -"*' 1N'+4*' 2+' AS "4' I S' '10**+
?' F4#N' , 0#0' "*' +80 . +*' -0+*' 6' '" . , "*$"' 2+' $#+*' 3"/0+*' -" . +0

2"* ,+1" /"3+#-" 2-1#+< "* ,#" +**"#+* ,4;1 '"* 2+ -*1#4''0" *4,+# "#(*+'4-20# 0 + *+,+' 01E IS "* *"' "*# 20 '02+. 0 +01 20* ' +-' 0*E 7S "* -2 3 24"* 94+(-0" ,+#$+-'+-2" 0 940194+# 20* '10*R *+* 0-$+# "#+*(+*1 3+#+#0 ,+10* *40* :0; 1 $0'"+* 1 11+#0# 0* "4 #+'"-:+ ' 20 '". ,+$+-' 0 -0* '"-2 "+* 2+ +80. -0# + . 01/4#"0 20* 2 *' ,1 -0* ,#" +**020* -"* 1N'+4* B 8'+,140#0 *+ 0* ,+**"0* 94+ -"* 2 *$# '1"* 20 ' #'4 . *'# , '0" +-* -0#+ - ,0#$ '410#. +-$+ 2 *' ,1 -0* 2+ -*$#4''0" *+'4-20# 0

0#0 "* *+#3 '+ 2"* +80. +* -0+* :0 $#+* '". . **"+*('"##+*,"- 2+-$+* D* $#+* ' #'4 . *'# , /"+* + . 94+ "* '"-1 -+-$+ 2" #+ -" + 2 3 2 2"E 0 *0;+#< 0 2+ *;"0(0 2+ ". ;#0(0 2" "#$"(S AS ' #'4 . *'# ,)0" '". ,#+:+-2+ "* 2 *$# '1"* 2+ *;"0(0-$0#+. ("#$01+/#+(+F0 + 0#" S IS "* 2+ ". ;#0(+ # 0(0*$+11" #0-'"(3+ #"(*+4 + 40#20 S 7(S "* 2" "#$"(#0/0(0--0 2" 0*$+11"(#0/0-/0 + 110 +01 B 0* 1:0* 02F0'+-$+* :0 '". . **"+* +*,+' 0+* +#0 '0#10 2 * $# '$"(+ . #0G0" 20 2 '41202+ 2+ +*$0;+1+'+# ' #'4 . *'# , /"+* '". " -" '"-$ -+-$+

/"3+#-" 94+#- -". + 0 "* ,#+* 2+-$+* + "* 3"/0+* 20* '". . * *"+* 9-+ ;0" 2+ *+#3 # +#0 '020 0--"

#+/#0 /+#01 94+ "* 014#0-"* 2"* 1N'+4* *+F0. +80. -02"* ,# . + #" 94+ "* +*$#0-:"*

"* $+#. "* 2" . +-' "-02" #+/410. +-$"(,0**030. "* F4#N* 2+ -. 1N'+4 ,0#0 "4$#"(0 . +2 20 94+ *+ "**+ '"-'14 -2" " $#0;01:" 0 '0#/" 2+ '020 4. 25+11+* B "/" 3+#+. "* 0 01$+#0/0" 94+ 0 +*$+ #+*,+1" :"43+-"* 0--"* 2+ ACVV + ACVC

?-4. +#" 2+ +80. +* 94+ 2+3+. * +# + $"* +#0 '020 2 0 ,"# '020 4. 2"* F4#N*(+ 2+* /-02" -0 $0;+110 *+/4 -$+<

80 . '*' , "#' 210

'1, 1 - 0

C' 010 - . "$' "$'+$$#0 '
2"$' 1N')$ - ; "0

I ,%6%#H	'	8	
I 0+*#H	'	8	
+6)#H	'	8	
))#1	;'	8	
0)(# 00) *0' A7 ' $0 ,#F	, '	8	6
0 (#10, *0' A*% &#' * 1$)#) F	'	8	
#&#+) ' A ' $0 ,#F	'	NB	I7
#&#+(' A*% &#' * 1$)#,#F	'	N;	□
0) 1' A7 ' $0 ,#F W	'	8	
0, 1' A*% &#' * 1$)#,#F	'	8	
#6	'	8	
# 6 0$) 0' # (&, 0	'	8	
+, "%*60	'	<	7
I ( ) & $(0' A ' $0 ,#F ' ' '	'	<	
I)) & $(0' A*% &#' * 1$)#,#F	'	<	

+# . -02"*' "*' +80 . +*' 2+' '020' ' #'4 . *'#1,) 0"("*' ,#+* 2+-$+*' #+' . +$ +#0' 0"' /"3+#-"' 4 . ' #+101"# "' /+#01' 2"' *+#3 /"' 2+' 94+' +*$ 3+#0#0' +-' '0##+/02"*(0G+-2"' 0*' '"-* 2+#0/"+*' '"-3+- +-1+*' ,0#0' "' ,+# + $"' '" ' -:+' . +-$"' 2"' +-* -"' ,#0$ '02"' -"*' 1N'+4*(+' 20*' :0; 1 $0/"+*' '" . ' 94+' *+' 0,#+*+-$0#0 . ' 0*' ,#"30*' ,4;1 '0*' "*' 014 . -"*' +*$#0-:"*

a -2 '02"*' -+101"# "*' *0"' 0'" . ,0-:02"*< AS' 2"' . 0, ,0' +*0 *' $ '"' 2"*' 014 . -"*' 94+' G+#0 . ' +80 . +' + . ' '020' 1N'+4' 20' ' #'4 . *'# , /0"(2+* /-0-2" *+' 0*'2 *' ,1 -0*' +' "*' 94+' '0#0#0' 0, ,#"302"*' +' 02 02"*' + . ' '020' 4 . 0E I S 20' #+10/0"' -" . -01' 2"*' 014 . -"*' 2"*' 1N'+4*' 94+' "#0 . ' 0, R ,#"302"*' '" . ' 2 *1 - '/0"(0 . ' 2+' *+#+ . ' "*' *+-*' -" . +*' ,4;1 '02"*' -"' ' ' ; ' +' ,#"'10 . 02"*' -0' *+**0"' *"1+ . -+' 20' 0;+#$4#0' 20*' 0410*

+1"' *N*$+ . 0' 2"' #+/410 . +-$"' 2+' 7A' 2+' #00#/"' 2+' ACV7(,0**030 . ' "*' F4#N*' 2+' 4 . ' 1N'+4' ,0#0' "41#"('" . "' 3 . "*' :0' , "4 '" ' 0*' +*$+' ,#" ' '+**"' "''0* "-030' /#0-2+*' 2+*,+G0*' 20' ,0#$+' 2"' /"3+#-"(+' $"#-030 . 4 1"' 2 ' 1' 0' '"-*1 $- '0"' 2"*' F"#N*' 94+' :03 0 . ' 2+' 4-'' "-0# "#0 "0' '0, $01' 20' ' #'4 . *'# , /0"

IC' 2 + 0 # # + 2 0 #' +*$+*' -'"-3+- +-$+*' 2+'#+$"4' "' /"3+#-"(+ . ' 2 0$0' 2+ . 0#/"' 2+' ACVV' "' *+/4 -$+E

0 ' ' 3

7L

0 * +80 . +* -0+* 20* 2 *' ,1 -0* , " +**020* -"* 1N'+4* -0' " ' -0+* 2"' '"-$ -+-$+' 2"' #+ -"(*+#0"' + $"* -0 *62+' 20* $#+* ' #'4 . *'# ' , '"+*< *;"0(" . ;#0 +' "#1"(,+#0-1+' F #N* 94"' ", ,"#$4-0 . +-1+' "#+ . ' -" . +02"* ,+1"' /"3+#-"' 25+-$#+' "* ,#" +**"#+* " 1 ' 0+* 24#0-$+' "* . +G+* 2+' F41: "' +' 0/"*$" H

5+*$+' . "2"' 3 -:0 . ' 0 '0## #+24G 2"* 0 $#+* "* 1N'+4* "-2+' 2+3+#0 *+## + $"* "* +80 . +* -0+* 2+' -*$#4')0"' *+'4-20# 0

+,#+*+-$0#0 . (,"#+ . (0 $01#+*,+ $"' "* ,#+102"* 20* 2 +#+-$+* 2 "R '+*+* 2"' #+ -"(01/4 . 0* '0 . 0#0* . 4- ' ,0+*(+*1420-$+* +' 30# +* ' ' 2020"* ' " . 0-2"' "' /"3+#-"' + . ' '"-* 2+#0/0"' +**0* #+,#+*+-$0/"+*(2+' '#+$"4' + . ' 16' 2+' 0;#1' 2"' . +* . "' 0--"' "' *+/4 -1+<

K * 2 *,"* /"+* 2"' 2+'#+$"' 2+' IC' 2+' . 0#/"' 41$. "' *";#+' "*‖+80R . +* -0+* 2+' -*$#4+/0"' *+'4-20# 0(*0"' 4- '0 . +-$+' 0, ,1 '03+ * 0"* 014 . -"* 94+' *+' ,#","+ . ' *+/4 # -0* 0'41202+*(+*'"10* "4' -*$ 4+*("* '4#*"* 2+' -*$#4+/0"' *4 ,+# "# "4' +*,+' 01 S

** . ' '030 . ' 011 3 02"* 2+' 0G+## +80 . +* -0* ' #'4 . *'# , /"+* "* 014 . -"* 94+' ,#+$+-2+ . ' :0; 1 $0# *+' ,0#0 0 3 20 +''1+* 0*1 '0(+' "* 014 . R -"* 94+' *"' ,#+$+-2+ . ' #0"*$#0# 0 *40 :0; 1 $0/0"' + . ' 940194+## 20* 2 *R ' ,1 -0* ,#" +**020* -"* 1N'+4* -0' "-0+ ' ' #+*,+ $"' (2+' '020 4 . 0 25+**0* '10**+* 2+' 014 . -"* 2030 +*$+' 2+'#+$"' ,#"3 2+-' 0* +*,+' 0+*($+-2+-$+* 0 #+/410## "' ,#"'+**"' 2"* #+*,+'$ 3"* +80 . +*(+ 0* '104*410* ' +8'14* 30* 94+' :0"' 2+' *+## +80#020* -0* '+#$ 2"+* '" . ,+$+-$+* ' ‖

-20 0** . (,0#0 0$$+-40## "' /#03+' -'"-3+- +-$+' 20* 2+*,+G0* 94+' 0G+ . ' 0* 0 . 1 0* 2"* 014 . -"* 2+' "#0 2+' *;"0(" . ;#0 +' "#$"($+ . *+ 2",$02"' "' +8,+2 +-$+' 2+' "* +80 . -0## + . ' 2 0* *+/4 2"*(,#+Z 3 0 . +-$+' 0--4-' 02"*(2+' *"#$+' 94+' *+F0 #04 $"' '4# +' 0 2+ . "#0 -0* 80 ' , $0+* 2+' *40 #+*,+'$ 30 ' #'4 . *'# , /0"

'#+*'+:$0#+ . "* 94+' F ' $+ . ' 0'42 2"' 0"' ,+-*0 . +-$"' 2+' ,+**"0* '" . ,+$+-$+* 0G+## +*$0 ,+#/4-$0<

$ +# 0 ,"#3+-$4#0 6#0 2+' ,#","* $"' 94+' "' /"3+#-"' 0+1 $0**+(,"# 940194+# . "2"' 0"' *+4' 01'0-'+("' $#0-*,"#$+' 25094+11+* 1:"* 2+' '020 1N'+4' 94+' -0"' $++ . ' #0+ "*(,0* 94+' +*10"' -"' '0*"' 2+' 3 #+ . (0G+## +80 . +' >' *+2+' 20 ' #'4 . *'# , /0"XS

' ,"# 940-$"' 2+*+F0 . "* :0; 1 $0# "* +*$42 "*"* ,0#0 +-'0 . -:0 ' #+ . ' ,#"3+ $"*0 . +-$+' 0* *40* -3+*$ /0/"+*(/ ,"-$0#+ . "* "4$#"' 0*,+'$"' 20 94+*10"

+-$#01 *0## "* +80 . +* -0+* 2+' -*$#4+/0"' *+'4-20# 0 -0* '0, $0+* 20* $#+* ' #'4 . *'# , /"+*(22 "''0* 0"' 0 94+' "* 1N'+4* 2+' "#0 2+' *R ;"0(" . ;#0(+' "#$"(94+ . ' -"' . +* . "' ,+' + . ' 94+' +*$030#0 0-$+* 20 '#+0/0"' 20* '" . . **"+*' ' 3 20 1"'01' 2"* +*$,2"*(94+' *+' 0 2+*+-3"1

3+-2" -"* 01a41 2"* 1N'+4*(+, ,#"F42 '020(, "# 940-1" '0 . 0* 1"'01 202+* ,# 3020* 20* 30-$0/+-* 0 9-+ $++ . -2 *, 4 03+1 2 #+ 1"

' '" . +1 +$"('"-* 2+#+ *+ " 940-$"(, "# +8+ . ,1"(" '0*" 2+ 0G+ #+ . '80 . +* + . 3"#0("* 014 . -"* 2" #+*, +'1 3" 1N'+4(+ 2 1 +#+-$+ 2" '0*" 2+ *+#+ . +80 . -02"* + . *; "0 0#0 " 1N'+4 2+ 3"#0(2" 9401 *" 4 . 0 2 . -410 ,0#$+ 2"* 014 . -"* , "2+ 3 # 0 *; "0(2+ 80 . 2+ +8 * $ # 0* ' #'4 . *10-' 0* 94+ 20" #+1+3" 0"* +80 . +*(+ :+ '" . . 4- '0 . 30-$0/+-* * *"1+ . - 202+ 2" 02"(0 +8' $0/0" 2" +*, # $" 2"* +80 . -0-2"*(" +*1 . 41"(" +8+ . ,1"< $42" 2+*0, ,0#+'+ 2" 1"'01 "-2+ +**+* +1+ . +-1) , "2'# 0 . *+# ,#" '4"* ,0#0 "* +*$42"* #+*, +'$ 3"*

7"["* +80 . +* -0+* " . + " #0' "-01 2+ 03+# /40#(*+ "* 014 . -"* 0294 # #0 . 0 '0, 02202+ -+'+**0# 0 ,0#0 +-$#0# -"* +*$42"* *4, +# "#+*(-" 1"'0-$+ 0* 2 *' ,1 -0* 94+ 0 1+ '"-* 2+#0 '" . " ,#+, 0#0$"# "* -2 * ,+-*03+ * ,0#0 +**+* +*$42"* 0* $0 . ;+ . 2+3+ . *+# +-'0#02"* 2+ ;0 8" 2+ "4$#" , "-$" 2+ 3 *$0 +-2" + $"* +#0 '020 0--"(- 14+ . , " 2+#"*0 . +-1+ -0 2 #+'/1 " 2" +-* -"(, 4;1 '" "4 , 0#$ '410#(94+ 30+ *+# ,#" +**02" -" 0--" . -+2 0$" , " * 2+ ,# . + #0 -$4 /0" 0 . , "# $0-' 0 20 -' 4 . ;+-' 0 '" - . +1$ 20 0"* F4#N*(+ " 940-$" 2+ #0G0" $++ . "* , "2+#+* , 4;1 '"* ‖+ . #+'" . . +-20# " + . ,#+/" 2+ $"20 0 *"11 ' 142+(. ,0#' 01 202 '+ #''1 20"(+3 10-2" *+ -" F41/0 . +-$" 2"* 014 . -"* "* +8'+**+* 2+ # /"# "4 2+ . 0* 020 -241/+-' 0 94+ $"#-0 . , "** 3+1 4 . 0 0,#+' 0/$ " F4*10

?' /"3+#-"(,+#'"##+-2" $"20* 0* 2 *' ,1 -0* 94+ 0'$40 -$+ *+ +-* -0#, -"* 1N'+4*(+80#"4 -0* *40* (' 01/4 . 0* #+/#0* 2+ '0 #0'$+#1 $$+#0# ;+ *' +-1 '"(94+ -"* ,0#+'+ '"-3+- +-1+ " 1+#+'+#0 , "- 2+#0/0" 2"* 1+ $"#+* +*142 "*"*<

6" - 6 , , < "* 014 . -"* 2+3+ . 20# ,#"30* 2+ 94+ 0 *0;+ . 0110#('" . " +8 /+ . "* ,#"/#0 . . 0* " ' 0+* + 0#1 /" =Y>U 2" #+/410 . +-1" 2+ 7A 2+ . 0#/" 2+ ACV7 . ‖2"* 3" /0'* 2" F4#N(,+1" . +-"*(‖3+# # '0#D "* '"-:+' . +-1"* 2" +80 . -0-2"(0G+-2" 0* -$+##"/0/"+* + +8 / -2" 0* #+‖ ,"*$0* -0 1 -/40 *";#+ 94+ 3+#*0# " +80 . +

- * +2 -2 *, +-*03+1 20# 0 2+3 20 . , "#$0- ' 0 0* . 01+# 0* '" . ,#+1 +-2 20* -" ,#"/#0 . . 0 2" 7 L 0--" 2" '4#*"E + , "# $0-1" 4 . 2"* +80 . -02"#+* 0#/4 . +-$0#2 $"2" " $+ . , " 94+ :+ '" . ,+$ #(*" -5+**0* . 0$+# 0*(-0" , "2+-2" 1+30# *+ + . '"- 0 0" 014 . -" 0 01$0(94+ , "#3+- #0 011+/4+(2+ +80 . +* "4 :0; 1 $0/"+* ,#+, 0#01" # 0* ,0#0 *01 * 0G+# 0 '*$0 ,#"30

J ˢ 7D8ˢ J

" ˢ - ˢ ˢ ˢ ˢ ˢ ˢ "*ˢ :+ . 0*ˢ ,0#0ˢ 0ˢ '" . ,"* /0"ˢ 10$ -0ˢ *+#0"ˢ $ #02+*ˢ 0ˢ *"#$+ˢ -"ˢ 02"ˢ 2+ˢ '" . +/0#ˢ "ˢ +80 . +ˢ 2+ˢ +-1#+ˢ "*ˢ 04'$"#+*ˢ 2+* /-02"*ˢ -"*ˢ #+*,+'1 3"*ˢ ,#"/#0 - . 0*(ˢ +ˢ #02 G 2"*ˢ + . ˢ ,"#$4/4+Gˢ '"##+-1+ˢ ,"#ˢ 4 . ˢ 2"*ˢ 3"/0+*ˢ 2"ˢ F4#Nˢ ** . ˢ ,"2+#0"ˢ *+#ˢ 2+ˢ ," *ˢ . 0 *ˢ 0' 1ˢ +ˢ F4*$0 . +-1+ˢ 0,#+' 020*ˢ 0*ˢ ,#"30*ˢ 2"*ˢ +80 - -0-2"*

" ˢ - ˢ ˢ ˢ 2"*ˢ 014 . -"*ˢ +*1#0-:"*ˢ 0"*ˢ 1N'+4*(ˢ 0*ˢ ,#"30*ˢ +*'# ,10*ˢ *+#0"ˢ +80 . -020*ˢ '" . ˢ $"2"ˢ "ˢ +*'#4,41"ˢ +ˢ 3"1020*ˢ +#0ˢ *+,0#02"ˢ 20*ˢ ,#"30*ˢ "#0+*(ˢ '" . "ˢ 2+1+# . -0ˢ "ˢ #+/410- +-$"ˢ -"ˢ 0#ˢ $ /"ˢ 67 L(ˢ -4 . ˢ 7 L(ˢ -0"ˢ *+-2"ˢ 02$- ** 3+1ˢ 94+ˢ "ˢ F4#N(ˢ '" . "ˢ F0ˢ *+ˢ ,#0ˢ 1 '"4ˢ + . ˢ 0--"*ˢ 0-1+# "#+*(ˢ #+4-0ˢ +ˢ F41/4+ˢ 0*ˢ 240*ˢ ,#"30*ˢ '" . ˢ "ˢ ,#+ˢ $+81"ˢ 2+ˢ 94+ˢ 0** . ˢ ,"2+#2ˢ 0G+#ˢ #0+1:"#ˢ F4 G"20ˢ '0,0' 202+ˢ 2"*ˢ 014 . -"*

" ˢ - ˢ ˢ ˢ ˢ * ˢ "*ˢ 3"/0+*ˢ 2"ˢ F4#Nˢ *1# 1- ˢ #0"ˢ $#+ˢ *ˢ 0*ˢ . 0$+# 0*ˢ 2+ˢ . "2"ˢ 94+ˢ 4 . ˢ 0#/4 . +-1+ˢ *"ˢ + . ˢ : *$"# 0(ˢ +ˢ ˢ "4$#"ˢ *"ˢ + . ˢ /+"/#0,1 0(ˢ '0-2"ˢ 0"ˢ ,#+* 2+-1+ˢ 0ˢ 0'41202+ˢ 2+ˢ -1+#ˢ #"/0#(ˢ 94+#+-2"(ˢ +#0ˢ 940194+#ˢ 25+*10*ˢ 2 *' ,1 -0*(ˢ "4ˢ + . ˢ 0 . ;0*

" ˢ * ˢ #+101 30ˢ 2ˢ ˢ "*ˢ +80 . -02"#+*ˢ 2 # / # *+ :0"ˢ 0-$+*ˢ 0"ˢ +-$+-2 . +-1"ˢ 2"ˢ 94+ˢ >ˢ . + . "# 0ˢ 2"ˢ 014 . -"ˢ 0"ˢ *'ˢ #0$+ˢ 2+ˢ 03+# ˢ /40#ˢ *+ˢ +*$+ˢ *0;+ˢ 0*ˢ 2010*(ˢ "4ˢ -" . +*ˢ +ˢ "*ˢ 0'$"*ˢ *"102"*ˢ 2+ˢ *+'4-20# 0ˢ . ,"#10-' 0(ˢ . 0*ˢ *+ˢ '"-:+'+ˢ "*ˢ ,# -' ,0+*Zˢ 0'"-$+' . +-1"*ˢ : *$"# '"*(ˢ *40*ˢ '04*0*ˢ +ˢ +1 + $"*Eˢ 0*ˢ -*1 $4 /;+*ˢ ,"1 1 '0*ˢ 2"*ˢ 2 +#+-$+*ˢ +*$02"*Eˢ "*ˢ /#0-2+*ˢ 2+*'";# #0+-$"*ˢ +ˢ -3+-/"+*Eˢ 0** . ˢ '" . "ˢ "*ˢ -" . +*ˢ +ˢ 0ˢ 3 20ˢ 2"*ˢ 30#"+*ˢ 94+ˢ +8+#'+#0 . ˢ . 0 *ˢ 2 #+'$0ˢ +ˢ 2 ' * 30ˢ - 14+-' 0ˢ -"*ˢ 2+*R $ -+*ˢ 20ˢ :4 . 0- 202+

0ˢ . +* . 0ˢ *"#$+ˢ ˢ * ˢ "*ˢ +80 . -02"#+*ˢ 2+ 80#0"ˢ 2+ˢ ,0#$+ˢ 0*ˢ ,+#/4-$0*(ˢ '4F0*ˢ #+*,"*$0*ˢ 2+,+-20 . ˢ 2+ˢ ,4#"*ˢ 0'$"*ˢ 2+ˢ #-+ . "# 0(ˢ ,0#0(ˢ -* *$ #+#0ˢ *";#+ˢ ,"-$"*ˢ 2+ˢ #+'"-:+' 20ˢ 4$ 1 202+(ˢ +ˢ 0'" . . "202"*ˢ $0-$"ˢ 0"*ˢ 4*"*ˢ ' 3 *(ˢ '" . "ˢ 0ˢ -$+11 /+-' 0ˢ 20ˢ : *$"# 0

" ˢ - ˢ ˢ ˢ ˢ ˢ ˢ +ˢ 2+ˢ * * ˢ ˢ ˢ ˢ . ,"#$0ˢ 94+ˢ "*ˢ F4#N*ˢ $+-:0 . ˢ + . ˢ ,0#$ '410#ˢ 01$+-/0"ˢ 0ˢ -2"1+ˢ +ˢ . ˢ 2"ˢ +*$42"ˢ 25+*$0*ˢ 2 *' ,1 -0*ˢ -"*ˢ 1N'+4*(ˢ +ˢ -0"ˢ +1+3+#0ˢ 0*ˢ ,+#/4-$0*ˢ 0' . 0ˢ 2"*ˢ F4*1"*ˢ 1 #0 $+*ˢ 20ˢ -*$#4+/0"ˢ *+'4-20# 0

"*ˢ ,#+'+2+-$+*ˢ ,# -' , "*ˢ #+/4102"#+*(ˢ -* -402"*ˢ ,+1"ˢ /"3+#-"ˢ 0"*ˢ F4#N*ˢ 2+ˢ +80 . +*(ˢ 01142, *+ˢ 0"*ˢ * ˢ *

. 4 $"ˢ . ,"#10-$+ˢ +*10ˢ +*,+' +(ˢ +ˢ ,"#ˢ F**"ˢ $+#0"*ˢ ,"#ˢ -2 *,+-ˢ *03+1ˢ "1 +#+'+#ˢ 0"*ˢ +*$42 "*"*ˢ 4-*ˢ ;#+3+*ˢ +*'10#+' . +-$"*(ˢ 94+ˢ :0; 1 1+ . ˢ ,0#0ˢ "# . 0#ˢ 4 . 0ˢ $01ˢ "4ˢ 9401ˢ 2+0ˢ 20ˢ -0$4#+G0(ˢ 2+*$ -"ˢ +ˢ 01'0-'+ˢ 25+*ˢ *+*ˢ *

?ˢ 2+'#+1"ˢ '" . ˢ "#/0ˢ 2+ˢ 1+ˢ 2+ˢ I?ˢ 2+ˢ *+$+ . ;#"ˢ 2+ˢ AC>>ˢ 2+'10#0ˢ *+#+ . ˢ ";F+'$"ˢ 2+ˢ 2 *,"* /"+*ˢ #+/410 . +-$0#+*ˢ 0*ˢ . 0$+# 0*ˢ +ˢ . +1:"2"*

B1+' +-* -"Ë 0* :0; 1 10'"'* ,0#Ø "' . 0/ *1+# "(+' ,0#Ø 0* . 0$# '410* -"* 2 1 +#+-1+* '4#*"* '1+ +*1 41"*Ë Ø 2 *' ,1 -Ø +' ,"1 ' Ø 2"* +*$0;+1+' . +-' $"* +' +*'"10* 2+' +24'0'0"' +' -*$#4' 0"' ,4;1 '0

+'10#"4' $0 . ;+ . ' 94+' *+# 0 . ' 2+ - 20* ,"# . + "' 2+' #+/410 . +-1"* +*,+' 0+* 0* ";# /0/"+* 2"* ,#" +**"#+*(Ø +'"-" . Ø 2+' *+#3 /"('' 0* #+/#0* 2+' 2 *' ,1 -Ø +' ,"1 ' Ø 2+' '020Ø +*'"10(+' 2+' '020Ø +*10;+1+' . +-$"' 1 $$+#0# "' +' *' +-1 '"

** $ ' F@4'$"# *0B1"(2+'#+1" ' "' /"3+#-"' + . ' ACVI' "' , 0-"' 2"* +*$-' 2"* 2"* 1N'+4* -0' "-0+*(2+' AS +' I US'10**+(2 *$# ;4 -2" "* ,+1"* 2 ' '#+- +* 0--"* 2"' '4#*"

+1"' 2+'#'1"' 2+' I?' 2"' - +* . "' . +G +' 0--"' #+/-1"4' Ø 02 . **0"' Ø . 0$# '410Z-0* 2 3+#*0* 2 *' ,1 -0*(94+(,+10Ø 1+/ *10/0"' 0-$+# "#(+*1030 . ' 2 3 2 20* + . ' 2" * 0--"*

. ' AI' 2+' -"3+ . ;#"' 2"' . +* . "' 0--"' 8"4' Ø 9401 202+' +' -- . +#"' 2"* ,#+,0#0$"# "* -+'+**0# "* ,0#Ø Ø ,# . + #Ø . 0$# '410Ø -Ø - 3+#* 202+' +' -"* +*10;+1+' -+-$"* 2+' -*$# '/0"' *4,+# "#(2+,+-2+-1+* 2"' . - *' '# "' 2"' #+ -"

0* -"' 0#$ /"' A? S 2"' ' $02"' 2+'#+$"' 2+' I7 2+' *+1+ . ;#"' 2+' ACVI' . ,"*+#Ø "' /"3+#-"' Ø *' ,# ,# "' Ø ";# /0/0"' 2+' '"2 '0# + . ' 4 . ' #+/4 ' 10 . + $"' 0* -*1#4'/ +* -+'+**0 20* ,0#Ø Ø '8+'4/0"' 20* ,#"3 2+-' 0* '"-1 20* -"' . +* . "' 2+'#+$"

E@ OF $+* 25 **"(,"#+ . ($ -;Ø Ø 4-$Ø "-*411 30 2+' -*$#4'/0"' 4 ' ;1 'Ø +10;"#02"' "* * ' * ' ' ' ' D ' + . ' :0# . "- Ø '" . ' "' 2+'#+$02"' , 0-"' 2+' +*$42"*

+* ,#"/#0 . . 0* *0"' ++-' 01 . +-$+' "' +--4-' 02"' 2"* ,"-$"* '0, $0+* 2+' +*$ 41"' +' +-* -"' Ø #+*,+ $"' 20* 1 -/ 0* +' 20* *' +-' 0* ,#" ' +**020* -"* 1N'+4* ' +#3+ . ' - "' *6 ,0#Ø +-'0 . -:0# "' +-* -"' -0* 04R 10*(. 0* $0 . ;+ . ' 2+' -"# . Ø +' 1 . 1+* 20* ,+#/4-$0* 2"* +80 . -02"#+* -"* +80 . +* -0+*< -"' 9-+' . 4 $"' 30+' 2+' -$+#+**+' ,0#Ø "* +80 . -0-' 2"*(0"* 940+* 0** *$+' "' 2 #+ $"' 2"' -0"' #+*,"-2+#+ . ' *+-0"' *";#+' "' 94+' $ +* "' +-* -02"' "# +**+* ,#"/#0 . . 0* +' #+/4102"' "' +*$42"' -"* 1N'+4*Ë ,"# 2 +* +' #+/4102"' "' +-* -"' ,0#$ '410#Ë ,"# 2 +* *+' 8Ø ,#+' ' *0 . +-$+' Ø 0#+Ø 2"* +80 . +* -0+* 2+' -*1 . ''0"' *+'4-20# Ø -0* ' #'4 . ' *'# ,/"+* 2"' '"-$ -+-1+' 2"' #+ -"' +' 1:0*'

0#+ . "* 4 . ' ;#+3+' +8+ . ,1"' 2"' $+"# 2"* ,#"/#0 . . 0*<

' * ' -54 . Ø +*,+' 01 202+<

-01N*+' '# 1 'Ø 2Ø ,4#+GØ +' +1+/0-' 0* 2Ø 1 -/40/+ . ' ,"#$4/4+GØ -"* 04'$"#+* 2+' 2 +#+-$+* +*'"10*("* '0#0'$'#+* 25+*$0*("* 04'$"

" ' * ' 0* 2 +#+-$+* +*'"10*("* '0#0'$'#+* 25+*$0*("* 04'$"

J ˢ A D ?

#+*ˢ +ˢ +*'# ,1"*ˢ .0 *ˢ -"103+ *ˢ *'"10ˢ 2"*ˢ #"302"#+*Eˢ '10** '" 101 0-0<ˢ
:+*,0-:"10ˢ "4ˢ /"-/"# '0Eˢ '10** '" #0-'+G0Eˢ #".0-1 '0
" ˢ , ˢ "*ˢ ,# -' ,0+*ˢ "#02"#+*ˢ *0'#"*Eˢ 0ˢ "#01"# 0ˢ *0/#020ˢ
-"ˢ ,+# "2"ˢ /"-/"# '"Eˢ ˢ "#01"# 0ˢ *0/#020ˢ 2+*2+ˢ "ˢ ,+#1"2"ˢ 0#'02 '"ˢ
#01"# 0ˢ ,0#10 .+-$0#ˢ 2+*2+ˢ ACIA
" ˢ ˢ "*ˢ ':#"- *10*(+ˢ 2+," *ˢ *4''+** 30 .+-1+ˢ 0*ˢ ";#0*ˢ : *ˢ
$"# '0*ˢ ,"#$4/4+G0*
"3ˢ 0"ˢ +*10ˢ +.ˢ -"**0ˢ 01/020ˢ 0,#+' 0#ˢ "ˢ 301"#ˢ 2"*ˢ * ˢ
0;'."*ˢ *2.+-$+ˢ 94+ˢ +ˢ 2+ˢ . .+-*0ˢ 2 ' 1202+ˢ 0ˢ "#/0- *0'0"ˢ 25,**+ˢ
$#0;01: Fˢ 0ˢ 94+#+#ˢ '"-*+/4 # *+ˢ 94+ˢ -0"ˢ :0F0ˢ 2+ ' +-' 0ˢ +.ˢ 01/ -*ˢ ,"-R
+*("4ˢ 2+.0* 0ˢ +.ˢ "4$#"*(+$'ˢ .ˢ $"2"ˢ "ˢ '0*+(+ˢ *"ˢ 2"ˢ -"**"ˢ 2+3+#(
+#0ˢ ,#+*+-/0ˢ 2"ˢ , 0-"ˢ 94+ˢ $#0/ ."*(20#ˢ -"1 ' 0ˢ 2"ˢ 94+ˢ +*10ˢ 3F/+-1+

-$+#+**0ˢ 0*ˢ ,+**"0*ˢ +*142 "*0*ˢ $+#ˢ 2 0-$+ˢ 2+ˢ *ˢ "*ˢ +1+.+-$"*ˢ 2+ˢ
- "#.0/0"ˢ *";#+ˢ 0*ˢ 0,,#"30/;+*ˢ +ˢ #+,#"30/"+*ˢ -"5*ˢ +80.+*('".ˢ *+-2"ˢ
+110*ˢ ˢ -2 '02"#ˢ 2"ˢ 02 0-10.+-1"ˢ "4ˢ 2"ˢ 0$#0G"ˢ 2"ˢ +-* -"
*ˢ +*101 *1 '0*ˢ 94+ˢ 30."*ˢ 0,#+*+-$0#ˢ *0$ * 0G+.ˢ 0ˢ +*10ˢ +8 /+-' 0

‖*0 *$ '0ˢ 2"*ˢ +80.+*ˢ ' ''$402"*ˢ -0ˢ A=ˢ ' #'-.*'# ,'0"ˢ
-"*ˢ .+G+*ˢ 2"ˢ F41 "ˢ +ˢ 0/"*$"ˢ 2"ˢ 0--"ˢ 2+ˢ ACVC

+' ,1 -0*

& ' 5----------6----------
2 + 5----------
' 5---------- –
" ----------
& " ----------7 ----------
$ ˢ AZˢ # & ----------
8 + ˢ + " # & ----------
&$ " &% + ˢ AZˢ # & ---------6 ----------
9 + ˢ + " # & ----------
' #% ----------6---ˢ ----------
#% ----------
& +' ----------

,,#"302"0 '". 20*$ -'W "	,,#"302"* .,1+*.+4$"	2 02"*
W	IA7	AAV
76	7AV	A6V
I	VW	7W
A	Iˢ 5 ‖	>
7	76	7I
	VV	7V
7	ACV	>7
A	G/	II
>	>A	VV
‖C	A7I	VW
A	ˢ 7V	IW
C	WA	6D
V6	AI7I	V7A

7 E 7 .

'*'-3"1# . +-$"',"#21*$# '$"*	,,#' 02"$ '" . 2 *$ -" 0"	,,#"302"* * . ,1+* . +4$+	22 $2"$
&B 0	6C	AAA6	6>A
@@0		7?	IA
2 0		IA	C
0#"	7	>7	7I
I 0)#6 #		AA	>
0+,0 #1	7	7A	I "
	V6	AI7I	V7A

"$. 0, ,0& 9 +$ *+$ *+/4+$ B041:+-$ '"$ +$ +80'1" $ +-'"-$#0 *+$ 0& . +2 0& 2"$ -4 . +#"$ 2+$ 014 . -"* #+,#"302"* & $:+* ':0 . 0& "$ #+/410- +-$" $ ' . $ '020& $ +80 . +* -0+* 20* 2 3+#*0* 2 *' ,1 -0* 2+$ -*$#4' 0"$ *+R '4-20# 0& -0& A$ ' #'4#0*'# ,) 4"(94+$ +$ 094+110& "-2+$ '"-'"##+$ "#2 -0# 0 $. +-$+$. 0 "# -4 . +#"$ 2+$ +80 . -0-2"*

0#0& 94+$ 0& 0,#+' 0'0"Z$+-:0& . 0 "# *+/4#0- 0& '"- #"-10 . *+$ $#+* 0- "* 1+'1 3"*("* 2+$ ACV7 ACV6(ACV6 ACVV(ACVV ACVC

7EN J

*

'#

$

ZDZ

2$

0

"

7E ;ʻ J

0#0' . 0 *' 0' 1' -$+11 /+-' 0' 2"' ,#+'+2+-$+' . 0, ,0' '- . ,#+ -"*' 20#' '" . "' +8+ . ,1"' 0' *+/4 - +' +8,1 '0/0"(*/-, 2"' "*' 01/0# * . "*' 94+' +11+' 0,#+*+-$0(2+ 80-2"' 2"' ,0#1+' 0*' #0')"+*' 2+' . 0+*('" . ' #+ +#+-' 0' 0"' 2 *$# '$"' 2+' *;"0E

' #0' ACVD ACV6' 1 "43+' DC' #+,#"30';+*' +#0' '020' A??' +8 . -0-2"*E -"' 2+' ACV6 ACVV' :"43+' >VE -"' 2+' ACVV ACVC(:"43+' 77

4 ' >7' -"' 1 L' 0--"E IW' -"' I U(7I' -"' 7 Z

(' D>' -"' A SE' >?' -"' I(SE' >?' -"' 7 S

' 6C' -"' 1 LE' DD' -"' I SE' >D' -"' 7 S

' 7>' -"' A SE' 7V' -"' I fE' IA' -"' 7 S

5 ' BA S' ,0#$+' ' -"' A SE' 6>' -"' I S< DI' -"' 7 S'

5 ' B'4#*"' '" . ,1+1" (D7' -"' A SE' D6' -"' I SE' 6D' -"' 7 S'

; * ' ' . ' >I' -"' A SE' >?' -"' I SE' 7I' -"' 7 S'

* ' 7?' -"' A SE' D?' -"' I SE' >I' -"' 7 S

(' >A' -"' A(SE' 7W' -"' I SE' 7V' -"' 7 S

+ *+(+#0' ,# . + #"' 1"/0#(9 +' +' . 4 1"' *4; 20' 0' ,+#'+-$0/+#0' 20*' #+,#"30' '"+*< "' 9"+' ,0#+'+' #+3+10#("-' 2+ ' +-' 0' -"' +-* -"("-' 0110' 2+' 0, ,1 '0 0"' 20' ,0#1+' 2"*' 014 . -"*E +#0' *+/4-2"' 1"/0#(3+ *+' 9-+(0' +8 ' '+,'0"' 2"*' +80 . +*' 2"' '4#*"' '" . ,1+1"' 2+' . 0$:+ . 0$#'0' +' 2+' , : 1"*"R , : 0(+#0' $"2"*' "*' 2+ . 0 *' 2+*'+4' -"' 7 S 0--"' "' -4 . +#"' 20*' #+,#"30 ' ;+*< ' 94+' 2+ 80' +-1#+3+#' 4#-' '+#$"' ,#"/#+**"(+ . ;"#0' -0"' '"-* 2+' #03+1(-"*' +*$-2"*' +' +-* -"' B ' "# 0' 94+' -"*' 1 . 1+ . "*' 0' +*$0*' /+4+' #01 202+*(*";' ,+-0' 2+' *+#' -+'+**0# "' +-' ':+#' 1"-/0*' ,0/ -0*' '" . ' 0*' 0,#+' ' 0)"+*' 94+' "' 0**4#0,$"' '" . ,"#$0

*' 1+ $"#+*' #+ 1+8 3+*' :0"' 2+' -"10#' -"' ,#+'+2+-$+' . 0, ,0' "' -0"' *+' . +-' "-0#' -4 . +#"' 2+' 014 . -"*' ,0#0' "*' +80 . +*' 2+' ' +' ; ' 8,1 ' '0 *+' +**0' " . **0"' ,+10' ' #'4 . *10-' 0' 2+' 94+' "' +-* -"' 2+**0*' 1 -/40*' +*$0' #+24G 2"' 0' 1 . $02 ** . 0*' ,#", "# "+*' "*' $#+*' 0--"*' . +-' "-02"*' :"4 +' 0,+-0*' 4 . ' +80 . +' -0' 2+' /#+/"E . 4 $"' ,"4'"*' 2+' 11+ . 0"(+' 0** . ' . +* . "' 0' ,+#'+-$0/+ . ' -;' 41$. "' 0--"' "' 2+' DV(A>

" . "' +1+ . +-$"' 2+' +*142"' 2+' 4 . 0' 94+*$0"' . ," 5$0-$+' & ' ' ' ' ' D ''#+/ *$0#+ . "*' 094' "' 94+' 2 G 0' "' /" ' 3+#-"' 0" ,0#10 . +-$"' +#0' I I' 2+' F41:"' 2+' ACDI<

K?*' ,#" +**"#+*' +-'0##+/02"*' 2"' +-* -"' *+'4-20# "' *0130*' ,"4'0*' +8'+,''"+*(,"**4+ . ' 0* 9401 202+*' . "#0+*' +' 1 $$+#0# 0*' -2 *,+-*03+ *' ,0#0' "' ;" . ' 2+*+ . ,+-:"' 2"' *+4' . - *$+# "' ' '" . ' $42"(0,+G0# 2"' G+1"' +' ,"-$401 202+' 20' . 0 "# ,0#$+' 2"*' . +*$#+*(";*+#30 *+' 94+' ' ' ' * ' ' ' * ' ' ' 4 2

J 7EE J

$ & * 6 2 * 1 . * * 2
* + 0'1" #+'10 . 0 . ,#"3 2+-' 0*(
94+ ", ,"#14-0 . +-1+ *+#0" ,#", "*$0* 0 *0-''0" 2" ,"2+# +/ *10 3" HZ
013+G $0 . ;+ . '"-3+-:0 $+# ' . '"-* 2+#0'0" " +-4-' 02" 94+ 01
/4#'* :03+ . "* 1 2"< S? +80 . -0-2" ,0#0 +'"-" . *0# $+ . ,"(0,#"
3+ 10 *' 20 1+ 2" +-* -" 1 3#+('4#*0 ,0#1 '410##0+-1+(+(-" . 2" 0--"(
30+ 0G+# +80 . + f 5094 "* 1N'+ * 940* +##0"* H

" '"-'14 + * + '0, 141"(+ 2+, " * 20 +8$+-*0 + 30# 020 +8, "* 0"
94+ 1+ . "* 0,#+*+-$02" 0 #"*,0 1" 2+ 1N'+4*(3+ . 0 ,#", "* $" 2 G+# '" .
1 - "<
? $ * , * *
'" . ,0-: . "* '$ 0**4 . ,$" 01+ '1 0'1401 202+< 0/40#2$$#+ . "* 0 #+R
"# . 0 94+ +*$ + . ,#"F+'$"

1 0 1 1B 2 , /111/1B, B /+,F -/ /

5+*$+ '0, 141" *2 . +-$+ ,"2+ . "* "''4,0# -"* '" . Z "* #0+1:"2"*
'"-:+' 2"* + 341/0# *02"* -" #+ -02" 20 *+-:"#0 0# 0 E + 0 -20
0** . -0 . 0 "# /+-+#01 202+(2+ 80-2" 0110# "* 2 ,1" . 0* " 1 ' 0+* + "*
2"'4 . +-1"* 04$1 +-1 '"* + . " , 0-" 2" -"**" $#0;01:" -"* ,+# . 11
0 2'*'+# 0 . -42+-' 0* 2 20'$ '0*
+1 G . +-$+(,"#+ . (+*1D 0" -"**" 01'0-'+ -'41'0# 0"* 1+ $"#+* 01
/4-* *4;* 2 "*301 "*"* ,0#0 " +*$42" 20 . 0$+# 0(+ " +#+'+# 0 *40
,"-2+#0/0" 01/4 . 0* '"-* 2+#0/"+* 2+ , : 1"1"/ 0 + ,+20/"/ 0(94+ :"
. +-* + '"#,"#$ /"+* 2+ ;"0 -" . +020 -"* :0" . - *$#02" + . *+4* 2
3+#*"* +*'# ,1"*

-$+* 2+ $42" ";*+#30#+ . "* 94+ + . ,#+/0 . "* 0 ,0103#0
-" *+-1 2" + . 94+ 0 +-'"-1#0 . "* -"* 2 ,1" . 0* " 1 ' 0+* + -"* +*'# ,1"*
1 11+#0# "* 2" f,+# "2" 2+ AC7> ACD7
0* *0;+ . "* 1+ $"#+* 94+ -"* $#0$029* 2+ ,+20/"/ 0 *+ 0G 2 *
$ -'/0" 1+-1#+ + *
,#"3+ $0-2" 0 "''0*F0" 2+ $+# 0 3 *$0 - 25+**+* #0$02"* +*,+
' 0+*(-2 '0#+ . "*(. 4 $" + . #+*4 . "(+**0 2 *$ -'/0"(+ . ;"#0 -0" 0
1" . +#0"* + . '"-$0 -" 94+ :03+ . "* 2+ +8, "# -5+*$+ '0, 141"

L * 7?
$ ACDI * *

-1+-2+ *+' ,"# ' Ø #00-+#Ø 2+' "#/0- *0# +' 2 # / # '' . "3 ' . +-$'' /+#01' 2+' 4#00Ø +*'"10

0 *+' ' -" . +' 2+' ' 0'' '"-F4-'1'' 2"*' . + "*' 94+' :0'' 2+' *+# +#0,#+/02"*' +' 20Ø"#2+ . ' 94+' :Ø 2+' *+/4 # *+' ,0#Ø #0-* . 1$ # 0"*' 2 *' ,4 ' 1"*' 4 . Ø 3+#202+' 94019-+#("4' 4 . ' '" . ,1+8'' 2+' 3+#202+*(. Ø *' +-' 0

*' * ' *0'' '+#$"*' . + "*' 0''+**"# "*(,"# 3+G+*' . +'0- '"*(94+' 4 . ' ‖ . +$:"2'' $+ . ' 1 *40Ø 2 *,"* /0"(. 0*' 94+' 01 0*' -0'' *0'' 20Ø *40Ø +**+-' 0

10' $#+*' ' 2+' +-* -"("4' 0-$+*' 940$#"< '' ' 2

' '' ' +' '' - ' '" . ,"*$'' 2"*' 2"F*' 411 . "*

"*' C :Ø 2" *' '1+ . +-1"*< Ú Ø " 52+ . ' 94+' *+' :Ø 2'' *+ ' /4 #E I f' "*' . + "*' 94+' :0'' 2+' *+# + . ,#+/02"*

",' ' ,# . + #'' ," -$'' 2+' 3 *10' '' . +$:"2'' ,"'1+' *+# ' "4' ' 0"*‖940+*' $0 -;+#Ø *+' 20Ø '' - - . +' 2+' D ' "4' 2 D > *";' '' +/4-2'' 0*,+'$'' '' . +$:"2'' ,"2+' *+# -* ' "4' 2

0*' "*' #0+$:"2"*' /+#0+*' ,"2+ . ' #+24G # *+' Ø 2" *< -* ' +'

+1'' . +$:"2'' -* ' +8,1 'Ø '' . +*$#+' '' 94+' *+' ,#","+' Ø +- ' * -0#(+' 2+," *' *+' '+#1 '0(,"# . + '' 2'' 01/4 . 0*' ,+#/4-$0*' B . 0 *' '" . ' #+10 0'' Ø . + . "# 0 (*+' "*' 2 *' ,41"*' '" . ,#+:+-2'#0 . ' ?' . +$:"2'' 2 ' ,"#+ . ('"-* *$+' + . ' 0G+# 2"*'":# # ,+1"*' 2 *' ,41"*(,"# . + '' 2+' ,+#/4-$0*' '" . ' '' 048 1 '' 20Ø -$4 /0"(0*' 3+#202+*' 94+' '' . +*$#+' :+* 94+# +-* -0#

*' * ' $++ . ' ,"# 4-20 . +-$'' Ø -+'+** 202+' 94+' '' . +*$#+' +8 ' ,+# . +-$Ø 2+' 0110# 0"*' *+-$ 2"*(0"*' "1:"*' 2"*' 2 *' ,41"*(,0#Ø +*$+*' . 0 *' 0' 1 . +-$+' '" . ,#+:+-2+#+ . ' '' ";F+'1'' 2'' +-* -"' ** . (,"# +8+ . ,1"(Ø -2 '0/0'' 2+' ";F+'$"*' . 0$+# 0+*' "4' Ø *40Ø #+,#+*+-$0/0'' ,"# . "2+1"*(,"# 2+*+-:"*(+$' Z

0#Ø '' -"**'' -$+-$'' ;0*$Ø '' 94+' 'Ø 0,"-102"' * 2+*+-3"13 . +-' 1"*' 2+*$+*' +-4-' 02"*' 2+*3 0# -"* : 0 . ' ,"# . 4 $'' $+ . ,'' 2'' 94+' ,#"' ,# 0 . +-$+' 9402#Ø 0'' -"**'' ,#","* $"

' ", - 0'' 2+' 4 . ' '"#,'' #+*,+ $03+1(9401' +#Ø '' +8$ -'$'' -*+1:'' 4,+# "# 2+' -*1#4'/0'' Z4;1 'Ø(. +#+'+' $"20Ø Ø '"-* 2+#0/0"(+' ,"# **'' . 4 ' /"*$"*0 . +-$+' Ø 0,#+*+-$0 . "*' 0/"#Ø -'' 94+' $"'Ø ' 0,#+' 0/0'' 2"*' 2 3+#*"*' . +$:"2"*' 2'' +-* -'' ,# . 0# "

' : ' ' ' * ' ' * ' $ ' *(#)' B0 B ++#0%' 0"' $ ' Q &<' *)0%' 0$ & ')#)(

. IA 2 2+G+ . ;# 2+ AC>V 2 G 0 ' -*+1: 0 /"3+#-"(94+ 2+," * 2+ *+ 1+# 341/0# *02 0 3 0/+ . 2+ "4* - 0 "110-20 ,0#0 "; *+#30# 0 -*1#4'/0"(+ 2+ 1+#+ . 0, ,0#+' 2 0* #+ 1+8"+* 2"* /#0-2+* ,#" +**"#+* 2:094'110 -0/0"(,"4' 03"#03+ * 0 5 8 5 FO +*1+ -0 +-'"-1#0 0,"1"/ *10*

#+ +# 2 0--2+ AC>V F2 0* +*'"10* ,"#14/4+G0*(2 # / 20* ,"# 094+11+ . +1:"2"(0 . + . 2+'02+-' 0(+ *+ +-'0 . -:030 . ,0#0 0 '"- 3+#*0 + . +*'"10* 2 I S /#04

"* 1+# . "* 2 2+'#+$" 2+ AD 2+ -"3+ . ;# 2+ AC76(0#$/ D(S($ -:0 . * 2+ '#+020* +*'"10* ,# . 0# 0* ,+1 5 8 5 "4 2+ +-'0*$+#(94+ 0 -20 +-10 +#0 /+#01 . +-$+ 0, ,1042 2"

0* 0 +8,+# +-' 0 3+ 4 #0G+# 2+*+-/0-"

1+ . +1:"2 -0+ $+#- -'"-3+- +-1+ - +-* -" 20* 2 *' ,1 -0*(+ . 94+(20 ,0#1+ 2"* . +- -"* *+ -0 +8 /+ 10-1 0 #+ 1+80"(940-1 0 ,#" . ,1 20 +4 . 0 +*,+' 2+ 0' 1 202+ . 0': -01('" . 40 +*'# ,10(-0 1+ 14#0 * . ,1+*(-0 0# 1: . +1 '0E . 0* ,#"24G + + 1"* 1+-1"*(- 94+ 1"'0 0* 2 *' ,1 -0* + . 94+ *+ +8 /+ ,+-*0 . +-1 +#+ 1+80"(10+* '" . "(2"4 # -0(: *1"# 0(/#0 . . 01 '0Z

. IW 2+ -"3+ . ;# 2+ ACD7('" . #+ +#+-' 0 0 0--1+'1 3 2+ AC7I ACD7(2 G 0 0 /"3+#- - . +-' "-02 '"-*'1;" *4,+# "#<

K ,0#0 #+ . 01+ 2 94+ *+ " +#+'+ 0 2 G+# -0 -*1#4'/0 ,# . 0# 0(#+*10 0110# 2"*

K? (94+ 2"3+ :03+# *+ ,+1 . +1:"2 -014#01(-+ . +02 . ** 3+1 + . +*'"10* ,4;1 '0* 2+ -4 . +# *4,+# "# 0 2+G 014 . -"*(-+ . *+-1 2+ "41#"* -'"-3+- +-1+*

K? 5 1+ . * 2 940* /+#01 . +-1+ 0;0-2"-02"(,+1 . 0 "# '"- *4 . 2+ 1+ . , 2+ 0,#+-2 G02"(+ 2+ ' +-' 0 -0 +24'0/0 . "#01 + + . 01/4 . ,0 G *+ *+/4+ 0 -20 *6 0 +'"-" . 0 , "2+ F4*1 '0#

K? * + . ,"** 3+1 + . +*'"10* '" . /#0-2+ -4 . +# 2+ 014 . -"*

K? + " 94+ *01 * 0G . +1:"# 0* -2 '0/"+* 2 +-R * -"E + 94+ + /+#01 . +-1+ *+/4 2 +-1#+ -"* (K? . +1:"2 2+ 1+ 14#0(2 10 * "#0 2+ ,# -' , 0;#0/02 '" . + -1:4* 0* . 20 -"3 202+(01+-102 ,+1 ,#+*$ / 2 -" . +(+ 0 . +- *02 ,+10 :0# . "- 0 . 4* '01(2+ 94+ "#2 -0# 0 . +-1+ +#0 0'" . ,0 -:02 *+4 +8+#' ' " "F+($+# . -020 0 . ,#+**0 ,# . + #0 20 -"3 202+

#0 % 78D<.78D9

+ 2+*0'" . ,0- : 02 20 #+'#+0/0 2g . 4* '0(+ , "4' #+94+-102" 01 3+G 0 "#/0 2+ :0; $"(+ 0 . ,+# ' 0 2"* -*1# '$"#+* ;+ $+- ;0 . 10 . ;+ . + . ;0#/02 , 0**" + . 2+*1 . ;#" (-+#- *4#,#+:+-2+4 094+11+ +-1:4* 0* . " "'"-*+1:" *4,+# "# 0; 0 " 94+ + . -/10$+##0 0'"-1+ '+#0 + . AC7? +#0 #0-/0 , "4' 2+, " *(+ , "*$+# "# . +- + -0 +1/ '0(94+ + . . 0$+# 0 2+ -*$#4'/0 , 4;1 '0 - $+#- *N*$+ . 0 1+/01(-+ . 20 +8+ . ,1"* ? '"-*+1:"(, "#+ . (-0 2+3 0 , #"*'#+3+#(-+ . #+'" . . +- 20# , "* $ 30 . +-$+ 0 02", /0 2+ 4#- . +$:"2"(*+#0 94+ +*1 3+**+ 04'$" # *02 '" . 0'$"* 2 , #", # , 0 G 0-2"4 +-*0 01 " + . +*'"10* , 4;1 '0*(+ , 0#1 '410#+*E +G 3 / 0# "* #+*41$02"* ,+1"* *+-* 2+1+/02"* 0* - "#. 0/;+* +-'"-$#020*(0$+ 0/"#0 #+'"1: 20*(" 94+ , "2+ '"-'14 # *+ + 94" "* + +$"* 2 . +1;"2 2+,+-2+ . +**+-' 01 . +-1+ 2"* 2"$+* ,+* *"0+* 2 ,#" +**"#(94+ ,#"24G $0-$. +1:"# #+*41$02"(940-$. 0 "# + 0 +202+ 2 014 . - 0 94+ *+ 0, ,1 '0E *+-2 2+ , "4' ,#"3+ 1 -0 ,# . + #0 - 0-' 0E 94+ " -" . + * + ,+# + 10 . +-1+ 114*"# "E . 0* 94+ 01/4 . 0 ;#+3 202+ *+ '"-*+/4+ - $+ . , 2 +-* -"E + 94+ -0 ,22+ -+/0# *+ 0 30-$0/+ - 2+ 0* '$$#0* +-$#0#' . -0 1+ $4#0 ,+1 301"# 2+ *4"* '" . -0/"+*(+ -0 ,+1 -" . -01 0* -0 + +*'"10* ,4;1 '0*(0 94+ 2 0# 0 . +-$+ 0'"2+ . -"3"* 014 . # "*(4-* 0-01 0;+1"*("41#"* '" . 2 +#+-$+* /#0-* 2+ -*$#4'/0"(*+#0 1013+G " . +1;"2 -0,1 '03+1 *+ . 0 '"-*$#4'/0 2+ +2 ' "* ,#", # "*(0'" . ."202"* * . 4 10* '10**+*(+ . 94+ $+ . 2+ 2 3 2 # *+ 0 +*'"10(+ *+ . 4 . , #" +**"# ,0#0 '020 '10**+ +*$0 *0;+# *+ 0* 30-$0/+# * 2 . +$:"2 '" . ,+-*0 . "*'*0'# ' "* 94+ +11+ +8 /+ 0 , 0#+'+ . 4 $, #"303+1E . 0* " '"-*+1:" 0/40#20 0 *0-' 0 2 $+ . ,"

. I?' 2+ 2+G+ . ;#" 2+ AC7> 2 G 0 " . +* . " '"-*+1:" *4,+# "#<
K 03 0 + . AC7 +-1#+ -"* /#0-2+ +-1:4* 0* . " ,+1 . +1;"2" J
J 0,+*0# 2+ F0 -5+**+ $+ . , " $+# '0: 2 + . "41#"* ,0 G+*E . 0* + . AC>> FF +#0 . $0 '"-;+' 2"* ,+10 ,#0$ '0 "* -'"-3+- +-1+* 25+**+ . +1;"2"(94+ ,+1 0#1 / I U 2 2+'#+$" 2+ I) 2+ *+$+ . ;#" " . +$:"2 '"4 #+/4102"(,"# 2+$+# . -0/;'* 2+ (*+/4-2 " 94+ . 0 * '"-3 +# 0 ;+ . 20 -*$#4'/0 + * 2 3+#*0* ' #'4 . *$0-' 0*
K F+ "* . +$:"29* /+#01 . +-$+ *+/4 2"* +-$#+ -2* *0 " 2
+ " 5 - 5 *+#3 -2 " 94+ 0 +8,+# '-' 0 0,#"3+ $"4 2+ . +1:"# -5+*$+(0 0,+# + /2$ # " 94+ ;03 0 2+ . 0 * 2+ + $4"*" -509-+11+ 2+ 8 5 *" ,"# +8'+,/0" +*+/4 2" -0* 94 -G+ '02+ #0* 94+ F0 +*$030#0 '#+020* -" $+ . , " + . 94+ " ";# /0$"# "

7 5 '78 N.78;;

K?' 5 ' ' ' * ' "4' 0*$ 1 :"(0 -20' +*12' ' . ' ,#"30(' +' , "# "#0' - '" ,62+' *+#' F41/02" ' ?' '"-*+1 :"' +*, '#0' ,+10' 2+ . "-*1#0 ')0"' ' * ' +*, +#0' , +1" ' 0'$"*' ;+ . ' 03+# /402"*(' +' '"-*10-1+*' 94+' 0**+/4#+ . ' 0*' +8'+11'-' 0*' "-' 2+ + 1"*' 2+' $01' . +$:"2"(,+10' 02 . **0"' +*, "-10-+0(' +' 4*"' 3"10-10# "' 2'+11+(,0#0' "' $+#("-' -0"(," 4 -0' 20*' #00#03 1 :0*Z Z

+3+ . "*F "-2+#0#' 94+' F0' +#0' AC7D' :03 0' 94+#-' *+' . "*$#0**+' 02R 3+#*+' 0"' . +$:"2"' 2"' +-* -"' . 4$4" ' ?' -* /-+' " "' +2#"' ;+ #"' 2 **+< K 0' -0"' '"-:+' ' F+*- $0*< "' . +-' -0*' . +-$"' '" -' 2 4' '" . ' 0 #+ "# . 0' 2"*' +*142"*' . +-"#+*(+' 0' . -:0' 02"1+*'+-' 0' '" . ' 0 20*' *' +-' 0*' . 0 " ' #+*' *$0*' 240*' /#0-2+*' ";#0*(94+' 114*1#0 . ' "' #+ -02"' 2+' ' "*+' (+' :0"' 2+' *+ . ,#+' ,+#,+$40# 0' -+ . "# 0' 2"' *+-' 2 /-"' . -*$#"(*+' '"-' '14 #0 . ' ,"#' ,"#14/4+G'*(+' *+' #+/410#0 . ' '" . ' ,0103#0*' ,"#14/4+G0*' 0"' *+' +1 . -"4' 20' +*'"10' 20*' ,# . + #0*' 1+$1#0*' 094 11"' 94+' :"F+' *+' ':0 . 0' ' ' *' F+*- $0*' F0' "' 4*030-(+' *+' '"-$ -4"4' 0' 4*0#(:03+-2"' 2+'4# 4+*' -0*' ,# . + #0*' 1+$$#0*(+' -0' 1 -/40' 101#-0< -‖ *1"' *+' 0':0' ' +**+-' 01' 2"' 94+' *#‖ ':0 . 0' ' *+ . ' 0*' . 0'094 '+*' +' # "1+ #0*' '" . ' 94+' -"*' 3+ -' +- + 102"' 2+' -/101+##0' +' #0-/0Z Z

' '4# "*0' '" *0' "' *0;+# *+' '" . "' "' -* /-+' :0$+04;# 0-2' +-'0#030' ' . +$:"2"' 2"' +-* -"' . 4$4"(,#+' *0 . +-$+' -0' "'0* 0"' + . ' 94+' +**+' . +' :"2"' $ -:0' + . ' #0-/0' 0,0 8"-02"*' 02 . #02"#+*(+' $0 . ;+ . ' 0,0 8"-0' 2"*' 2+$#0'$"#+*

:0$+04;# 0-2' #+'0, $41030' ,# . + #0 . +-$+' "*' 2+ + $"*' 94+' 0* *0'0' 30 . ' 0"' . +$:"2" ' #0#-(+ . ' *4;*$0-' 0("*' *+/4 -$+*<

+#-' ' '0#0"$+#' 2+' 0-"#001 0' . "-*$#4"*0' "' *+#' 0' '# 0-/0' 94+#-' + ' * -0(+ . ' 3+G' 2+' *+# +-* -020' +;+110 *+' "' +*, # $"' '"-$#0' 0' 2+0' 2+' 3+#' 4 . ' 2"4$"#' -0' ,+**"0' 2+' 4- 0' '#+0$4#0(94+' 20' 1 /"+*' ,#+' *0 . +-$+' -0' 9402#0' + . ' 94+' 0' *40' #094+G0' 0' *4F+ $0' *' -+'+** 202+*' +' 0*' 3"-$0' 2+*' 2"*' "4$#"*' "' +-* -"' . 4$4"' *0"' 02 . $$ 20*' $"20*' 0*' +202+*($"' 20*' 0*' '"-2 /"+*' : +#0#' : '0*(2+' *"#$+' 94+' 4#-' 1 :"' ,"2+' $+#' "'' 0*' 0"' 2+' #+,#+ :+-2+#' *+-' ,0+("' '# 02"' "' 0 . "(\$" . ' /#03+' $#0-*$"#-"' 20*' #+10/"+*' -0$4#0+*' "4' *"' 0+*' 0" ,"2+#0' 0'0F"' #+*41$0# 2'094 ' 4 . 0' '+#$0' 2+*"#2+ . ' -0*' 2+0*' +' -"*' 2+3+#+*' 2"' 2 *' ,41"X' 0"' 3+ . ' +11+' 0' $"#-0# 4 . ' 014 . -"("#/-1:"*"E 4#-' 1:"(##+3+#+ :$+E 4#-' ' 2020"(0 . ' ; ' "*"' +' ,+#$4#;02"# 20' ,0GX

' 3 ' ' 78E;.78ED'
M ! - ' 4 *

3 3

+-*0 2+11+ + . #0-'0 -" . +020 . +-1+ ,"# U$2+ 0 -$+-"-+#0 N#"E ,"# +#;041 -0 +202+ BAV>AE ,+1" '0301:+#" 041+$ + . 1 . 0 +*'"10 4-2020 + . AVVI(94+ 2+," * 0 #+3"14)0" -1+##" . ,+4 -" 2+*+-3"13 . +-1" +,#"/#+**"* 94+ 0 +8,+# . +-10-2"

0* +*$+ . +1:"2" *6 '0,1 3"4 "#1+ . +-$+ 0 01$+-/0" ,4;1 '0 2+R ," * 94+ +11 + +-'0*$#+ " 0,,1 '0#0 . + . 10#/0 +*'010 -0 -/10$+##0 . ACAD "1+302" ,0#0 0 #0-'0("-2+ ,#+'"- *0#0 . /#0-2+ . +-1+ :" . +-* . 4 1" -"$03+ *('" . " "#0 . 0#"':+"4'0412 0-'"4#$(0* 1+N# +(0;"#2+(2+ "#0-2+(" . 0#2 "* " +#0 ,#01 '0 ,+1" ,02#+ 041 +# + ,+1"* *+4* 2 *' ,41"*(01'0-'"4 '"-* 2+#03+1 '"-'+ $" ,4;1 '" + " 0- . 02" ,+10 ,#"1+''0" 2" +*102" 0* 0 ,"1 1 '0 +-$#"4 -5+*1+ 2" . - " *+#+-"(+ 2'*2+ 1"/" *+ $"#-0#0 . *4*,+ $0* 0" /"3+#-" 2"* "4#;"-* 0*) ,"#+ . (1+# . -"4 0 #+*104#0'0"(#+0294 # 4 " . +1:"2" " 03"# ,4;1 '"(+ 2+ -"3" +-$#"4 + . 3"/0

"4 11+$(94+ -"* . - *$#0 0* ,#+'+2+-$"* -2 '0/"+*(#+ . 010 '" . 0 *+/4 -1+ #04 F42 ' "*0 ,"42+#0'0" " *+4 0##0G"02"<

K "F+ "* ;"-* +*, # $"* '"-'"#20 . + . #+'"-:+++# 94+ $+#- '020 4#- 2"* . +1:"2"*(" 2" +-* -" . 4$4"(+ " 2" +-* -" * . 41 0-+"(30- $0/+-* ,#",# 0*E 2+ *"#$+ 94+(;+ . 1"-/+ 2+ *+"," ,"#+ . 0 4 . "4 0 "4R $#+(+*10" 2 *,"*$"* 0 ,"-'1 01 "* +-$#+ *(4-2 -2" "* +#0 4 . *"("4 0 +*'"1:+# 4 . "4 "41#" *+/4-2" 0* '"-3+- +-' 0* 20* 1"'01 202+*(+ " -4- +#" 2+ 014 . -"* 94+ 1 0" 2+ *+# +-* -02"*Z S

4 . ,#+ -"* 1" . 0# 094 -"10 2+ 01/4 . 0* 2 *,"* /"+* 1+/ *101 30*('" . #+ +#+-20 0 3"/0 94+ +-$#+ -"* $+3+ " 3 *$" '" . " '"-*+1:" *4,+# "# 01142 4 0 1+/ *10/0"(0 -20 94+ 2+ ,0* *0/+ . (

" . ,1+10#+ . "* ," * 0* -2 '0/"+* 94+ " '"-*+1:" 0,#+*+-$"4 0" 2+ 1+3+

'

+1" 2+'#+1" 2+ AA 2+ *+1+ . ;#" " '#+020 +#0 *;"0 4#00 +*'"10 -"#. 01 2" +-* -" . 4$4" ,+1" . +1:"2" 2+ +-'0*$+# &(1+ -"30 2+$+#. -0'0" #+/ 0 +#0 '":$#0-"('030 094+110 +*'"10

< I 0 %)3)#,'UB 8

#@0',01B*1'+ '('"#' 1B 0'9M2)'%1'0 6 +,,%)0" 0 9 2

? ' ' 111 ' Z

-2+,+-2+-$+ 20 F4-$0 2 #+'$"# 0 /'#01 2"*+*142"* + 20 *40 -*,+'/0"E
 +- 014 .-"*(+.+/401202+ 2+ .+#+' -+-1"(*+# 0.,#+ +# 2"*
0"* "4$#"* '"-'"##+-$+*
"+*$+ 2+'#+$" ,#".41/02" -" #+-02" 2+ "0" 3 E + #00 *
$0#2+(+.AC16 " /"3+#-" 20 -0-$0 #+/+-1+ G0;+1 0# 0 2030 .
, 1*" #+01 *0/0" 25094+11+ ,+-*0.+-$"

?2+'#+$" 2+ IV 2+ *+$+.;#" 2+$+#.-"-94+ -" ,#"8." .+G
2+ "414;#" *+ 0;# **+ " * S

+10 ,"#$0# 0 2+ 7A 2+ " $4;#" "#2+-02" 94+ "* .+*$#+* 2+
,#.+#0* 1+1$#0* 2+ *;"0 #+94+-$0**+. 0 +*'"10 2+ +-* -" .14"
,+1" .+$1 "2" 2+ +-'0*1+#E + "4$#"* . .0-2"4 0 ,"#$0# 0 *4*,+-2+#
,#"3 .+-$" 20* +*'"10* 2" ,#.+#0* 1+$$#0*(94+ 30/0**+. -0 '"#$'(
,0#0 *+#+. ,#"3 2+* +. .+*$#+* 94+ 0* *"4;+**'. #+/+# ,+1" *";#+
2 $" .+$;"2"

?2+'#+$" 2+ V 2+ *+$+.;#"(94+ +*$0;+1+'+4 " %
("+10;"#02" *";0 -14+-' 0 20 '"-3''0"
94+ +-$0" #+ -030 20* +8'+11+-' 0* + 30-$0/+-* 2" .+$1 "2" 2" +-* -"
.4$4"E + 0** .(-" 0#$ /" 7S(2*,4-:0 +11+<
K?.+1:"2" /+#01.+-$+02",102" -0* +*'"10* +*10;+1+' 20* ,+1" /"R
3+#-"
'".""* .+1:"#0.+-1"* 2+
94+ "# *4*'+,1 3+1 H

?2+'#+$" 2+ A7 2+ 443+.;#" 94+ '"-$ -:0 "
* "$0.;+.+10;"#02" *";0 -14+-' 0 20* 2+0* .0 * 1*"-
/+ #0* 0 #+*,+1" 2" .+$:"2" 2" +-* -" .4$4"
** .(-" 0#$ /" II(U(2G0 " 2+'#+$"E
K?.+$:"2" 02",$02" ,0#0 " +-* -" ,#.0# "(+b
C #
#+3+-2"(,"#+.(0 :N,"$:+*+ 2+ *+ '-'"-$#0# 01/ --+.;0#0'"

94+' 2 '4110**"' 0 02", '0"' 25094+11+' . +1:"2"(2 G 0' ' "#* #, ' + ' 0#1 /"' I 7 U<

K) 40-2"' -0"' ,"2 P# $+# 1"/0# "' . +$:"2"' 02",$02"(,"# 01$0' 2+' 014 . -"*("-' 2+' "41#0*' 940+*9-+# ' #0 . *$0-' 0*(*4;* *$ #2' "' . +$:"2"' 2+' +-* -"' * . 41$0-+" Q

-$+*' 25+*$+*' 0#1 /"*(+-'"-$#0 *+' -"' 2+'#+$"' - . 0' 2 *,"* /0"(94+' ;+ . ' #+3+10' "' 940-$"' +#0' ,#+*02"' "' . +1:"2"' 2+' +-* -"' . 4$4" ' "' 0#' $ /"' 7 S(' I S(2 G 0' "' 1+/ *102"#<

K "-2+'Y'"-'"##+#+ . ' 0*' ,#+' *0*' ' #'4 . *10-' 0*(*+#0"' 0*' +*'"10*' 2+' +-* -"' * . 41$0-+"' '"-3+#$ 20*' + . ' +*'"10*' 2+' +-* -"' . 4$4" H

#%

. ' $"' 2+' *+$+ . ;#"' "#2+-030' "' /"3+#-"' 0"' "-*+1:"' 4,+# "#' 2+' -*$#4'/0"' 4;1 '0(94+' -*1 $4 **+' 1"/"' + . ' " . ;#0' 0' +*'"10' -"#. 01' ,# . 0# 0' ' '

#2+-030' $0 -;+#0' 94+' "' '"-*+1:"' '""#2+-0**+' 4#-' 2 #+'$"# "' '" . ' ,1'1"' ,0#0' #+/410#' "*' 2 3+#*"*' #0 . "*' +' . +1:"2"' 2+' +-* -"' ,# . 0# "(-"*' $+#- "*' 20' 2 *,"* /0"' 2"' 0#1 /"' I> S' 2"' 2+'#+$"' 2+' A7' 2+' -"3+ . Z' ;#"' 2+' AC76

#0' 3+#202+' "' ' $02"' 0#1 /"' 25+*$+' 2+'#+$"' "#2+-030' 0 04'$"# 202+' '" . ,+1+-1+' 94+' "# . 0**+' 4#-' 2 #+'$"# "(-"' 9401' +80#0**+' "' #+/ . +-$"' 2"*' ,#" +**"#+*(;+ . ' '" . "' "*' 2'*+-3"13 . +-$"*(+8+ . ,10#+*(. "2+1"*(-*1#4'/;'*' +' #+/410 . +-$"*' +*,+' 0+*(94+' *0"' -+'+ **0# "*' ,0#0' "' '" . ' ,1+ . +-$"' ,#0$ '"' 2"' +-* -"' ,# . 0# "' + . ' '020' 4#-' 2"*' #0 . "*' +' . +$:"' 2"*

' '

) 4+#-' 1+# '" . ' 0$$+-/0"' "' 2+'#+$"' 2+' AD' 2+' -"3+ . ;#"' 2+' AC76(:0' 2+' +-'"-1#0# 01' 1"2"*' "*' -2 ' "*' 2"' 01$"' 0,#+/"' 94+' +-$0"' *+' 0G 0' 2"' . +$:"2"' 2+' +-* -"' . 4$4" ' "#0' 0*' 2 *,"* /;+*' 94"' +80#0#0"*(+' . 4 1"' * /- '0$ 30' 0' *+/4 -$+<

K #$' AA U " *' 0--"*' 2+," *' 94+' -0*' 2 +#+-1+*' '0, $0+*' 2+' 2 *' # '$"' +*$ 3+#+ . ' +*$0;+1+' 20*(+' + . ' +8+#' ' "' 0*' +*'"10*' -"# . 0+*(*+R #0"' "*' '"-'"##+-$+*' B0"' . 0/ *1+# " ' $0 . ;+ . ' - ' . +$:"2"' * ' ' ' ' . ' $"2"' "' '0*"(0 -20' 0-$+*' 25+**0' +,"'0(*+#0"' * ' ' * ' ' ' ' ' ' ' ' ' 6 ' * ' $+42"' 01 0*' 0*' " $#0*' 9401 202+*' -+'+**0# 0* S

4+* (,"# 9 ' '-$ " " . +1:" " #0 2+/+ +#0 41" -" . 414"('" . 0* 2+*30-$0/+-* 94+ 0 +*1+ *0" -:+#+-$+*

0* +*'"10* 2+ +-* -" . 414" '"-1 -40# 0 0 ";*+#30# *+ " 2 #+'$"# " ,#+*'# 1" ,+1" 2+'#+1" 2+ IA 2+ "414;#" 2 AC77(+#0 940-1" -0" "**+ 011+#02" " *4;*1 14 2"

?/"3+#""(2+*+F0-2" 94+ -0* +*'"10* ,4;1 '0* *+ G+**+ 4#- +-R * -" 2" * * * 02",102" +#0 01/4 . 0* 20* 0410* ,0#1 '410#+*(0 . 2+ *+ ,"2+# 0,#+' 0# " ,#"3+ 1" 2"* *+4* #'*41102"*('" . ,0#02" '" . " 2" . +1:"2" 2" +-* -" * . 41$0-+"($"#0"4 ,+10 ,"# 10# 0 2+ I7 2+ "414;#"(0* ,#"3 2+-' 0* 94+ +#0 * ;*$0-' 01 #+*4 . + 30 . "* 0,"-$0#<

A L 0 +*'"10 2+ +-* -" . 414"(+8 *1+-1+ -0 0*0 0 2+ *;"0(*+# 0#0 +*'"1:2"* '+ . 2"* 014 . -"* . 0 * 0$#0G02"* -"* +8+#' ' "* +* '"10#+*(,0#0 0 #+*,+ $" 2 +11+* *+# 02",102" " D * * * * * A * * * * * * *+-2" '"- 02" " +-* -" 20 '10**+ 0" 2 #+'1"# 20 +*'"10 -"#. 01 2+ *;"0

I U "* +8+#' ' "* 2+ 1+ 14#0 #+,+-1 -0 *+# 0 . 02 . 11 2"* 01+ 940 #" "#,:0* 20 0*0 0 . 0 * 02 0-1020* + . +202+(94+ #+4- **+ . 0* '"-2 /"+* -+'+**0# 0* ,0#0(-0 9401 202+ 2+ 01 . -0* . +*$#9*(0,#+-2+ #+ . " . +1:"2" -"30 . +-1+ 02",102"(+ *+ :0;1 10#+ . 0 +8+#'+1 " -0* 0410* 2'*1 -020* 0" +-* -" 2" *+*" + . - -+

7 f " -2 '02" 2 #+'$"# 20 +*'"10 -"#. 01 *+# 0 . "#-+' 0"* "* 1+-* 1 "* + ";c+'$"* "# +11+ #+94 * 102"*E ,"*1"* ' *40 2 *,"* /0" " #-* 940+*94+# . + "* 94+ 0 +8,+# "-' 0 $"#-0**+ -2 *,+-*03+ * "4 ,#" 3+ 1"*"* ,0#0 + +$40# +*10 -'4 . ;+-' 0 + 2+*$ -020* 0* '0*0* '"-3+ - +-1+*('"-1 /40* 0 0*0 0(,0#0 :0;10/0" 2" . +* . " 2 #+'1"# B-"* $+# . "* 2" 2 *,"*$" -" 0# /" AC L 2" #+/410 . +-1" 2+ > 2+ 2+G+ . ;#" 2+ AC>D (0 . 2+ ,"2+# 0'42 # '" . 0'1 202+ + ,#" . ,$ 20" 0" '4 . ,# . +-$" 20* ";# /0/"+* 0 *+- '0#/"

"3 " ,#"3+2"# 20 0*0 0 +#0 #+'", . +-202" 94+ 2+**+ 0* *40* "#2+-* ,0#0 92+ 0* 2 *,"* /"+* 2+*$0 ,"#$0# 0 "**+ 2+*2+ 1"/" +8+'4$020*

# #

+10 '0#10 2+ 1+ 2+ AC 2+ 0/"*$"(" " /"3+#-" 04' "# *02" 0 '#+0# 4 . 1"/0# 2+ * * * * 2 * *

*$+ '" . . **0# " $+# 0 0 *+4 '0#/" 0 2 #+''0" 2" +-* -" #+,+-$ -"(+ . $"20* 0* +*'"10* 94+ -" #+ -" + 1:0* 02F0'+-$+* *+ +*10;+1+'+**+#0 2+;0 8" 25094+11+ *N*$+ . 0 B #$(AS +\ 4- '"

?/"3+#-" 20# 0 " 2+*+-3"13 . +-$" -+'+**0# " 2 *,"* BF0;2" 0# $ /" 0-1+'+2+-1+(,0#0 0 *40 . +1:"# + . 0 * 4$ 1 +8+'4'0" B #$ I L

?'" . . **0# " /+#01 2+ +-* -" #+,+-$ -" $+# 0 2+ "#2+ 02" *+$+ '+-1"* . 1 #+ *(94+ ,"2+# 0 0''4 . 410# '" . 940194+# ,+-*0" 9-+ ,"# 3+-$4#0 #+'+;+**+ 2" +*$02" B #$ 7S

0#0 " 1"/0# 2+ '" . . **0# " /+#01 2+ -*$#4'/0" ,# . 0# 0('#+02" ,+10 1+ 2+ AC 2+ 0/"*$"(94+ 2+ 80 . "* #+/ *$020(-" . +"4 " /"3+#-" 2"4$"# -$"- " +1 '0-" 2+ 0*$1:"(94+ +#0 " ,#",# " -$#"24'$"# + #+ "# . 02"# 2" . +$:"2" #+,+-$ -"

+10 ,"#$0# 0 2+ I7 2+ *+$+ . ;#"(-0 9401 *+ 02",$0 0 +8,#+**0" * * * * 2+4 " /"3+#-" 01/4 . 0* ,#" 3 2+-' 0* ,0#0 0 +8+'4/0" 20 . +-' "-020 '0#$0 2+ 1+

#2+-"4 94+ " '" . . **0# " /+#01 +-$#0**+ . . +2 0$0 . +-$+ -" +8+#' ' " 20* *40* 4-'/"+*(*+ . 2+,+-2+-' 0 2" #+*,+'$ 3" 2 ,1" . 0 2+ +-'0#$+(94+ 01 0* 2+3 0 *"1 ' 10#('" . " :0;1 $0/0" ,0#0 ,+#'+;+# "* 3+-' . +-$"* '" . ,+$+-$+*

1 /+-' 0# 0 ";$+# +*'10#+' . +-$"* '+#'0 20* 1"'01 202+*|+ . 9-+ :"43+**+ . 0 * 4#/+-$+ -+'+** 202+ 20 '#+0/0" 2+ 01/4 . 0* '02+ #0*(#+ / 20* ,+1" *N*$+ . 0 2+ 1+ $4#0 #+,+-1 -0("4 ,"** ; 1 202+ 2+ *+# 02" ,$02" +*$+ *N*$+ . 0 -0* 0410* F0 +*$0;+1+' 20*

+3 0 '"- +#+-' 0# '" . " 2 #+'$"# 20 +*'"10 -"# . 01 *";#+ 0 #+"#/0 - *0/0" 20 +*'"10 ,#01 '0(94+ :+ 0-20 0--+80(+ *";#+ 0 + +'1 3 202+ 20 -*$010/0" + 0;+#$4#0 20 . +* . 0 +*'"10 -"# . 01

** . ,#+,0#02"(2+3 0 " '" . . **0# " /+#01 ,#",+# 0" /"3+#-" 0* ,#"3 2+-' 0* + "* . + "* 1+/0+* . 0 * ,#" . ,$"* + +8+94 3+ *(,0#0 ",,"#$4-0 . +-$+ *+ 01'0-/0#+ . 4-* + "4$#"* -*(

)40-2" "**+ -2 *,+-*03+1('"-'+2+# 0 " /"3+#-" 0" '" . . **0# " /+#01 0 -+'+**0# 0 04'$"# *0/0" ,0#0 0G+# 3 * $0* 2+ 2 #+'/0" + -*,+' /0" "#0 2+ *;"0 2+3+-2" 20# '"-$0 ' #'4 . *$0-' 020 2+ $42" 0" /"

3'#-"(+ -*$. -2" "* *+-* #+101"# "* ' " . " "* -2 *,+-*03+ * 202"* +* $01 *'"* "* '0*"* 2" *+#3 /" -0* ,#"3 - ' 0* *+# 1:+ : 0- 0;"-020* 0* 2+*,+G0* 2+ 3 0/+ .

0#0 . 0 "# ;#+3 202+ -" +8,+2 +-$+ 0;# # 0 '"##+*,"-2+-' 0 2 #' '10 '" . " /"3+#-"(" 9401 $0 . ;+ . 0 +11+ #0-* . 11 # 0 0* #+*"14/"+* . 0 * 4#/+-$+*

" "-*+1:" 4,+# "# 2+ -*1# '/0" 4;1 '0 +#0 #+'"#0- +-202" 94+ 2+**+ "#2+ . 0"* *+4* 2+1+/02"* ,0#0 ,#+*$0#+ . 0" '" . . **0# " /+#01 0* - "# . 0/;+* + '"02F430/0" 94+ +11+ ,+2 **+ ,0#0 ;+ . 2" 2+* & + . ,+-:" 2+ *40 . **0"

'10*# -"$ ' 0* 94+ " /"3+#-" 2+4 0" ,0#10 . +-1" -" . +02" 2" 0--" 2+ " * 0;+ *+ 94+ -0 0*0 0 :"43+#0 AWI 1 /"+*(2+ 240* ;"#0* '020 4 . 0(+ . * *+ * . +G+*(*+-2" W6 ,0#0 " +-* -" 2+ 1+ #0(+ W6 ,0#0 " 2+ +*'# ,10('"- : ' ' . +-$" 2+ -4 . +#0/0"5 + 01/4#00* -"/"+* /#0 . #001 '0+* "#0 . 04*, ' "*"* "* #+* 1102"*(+ 250: #+]4 "4 0 ,#"#041 /0/0" 20 1+ 2+ AC 2+ 0/"*$" 2+ ACD7(+ 0 +8,+2 /0" 20 ,"#10# 0 2+ I7 2+ *+1' . ;#" 2" . +* . " 0--"

+," * 25 *$" "#0 . 04'$"# *02"* 2" * '4#*"* -"# . 0+* 2" . +$:"2" +*,+' 01(4 . + . *;"0(+ "41#" + . + # 0(#+/ 2"* 0 . ;"* ,+**01 . +-$+ ,+1" '" . . **0# " /+#01(,0#0 :0; 1 10/0" 2+ ,#" +**"#+*E + $0 . ;+ . +*$+ . +$:"2" " . 0-202" +4*0 0# ,+1" '"-*+1:" *4,+# "# -0* +*'"10* ,4;1 '0*(0G+-2" ";*+#3+# "* *+4* #+*41$02"*

/"#0 94+ . +-' "-2 . "* F2 "* 2 ,1" . 0* "11 ' 0+* #+10$ 3"* 0" . +R $:"2" ,"#$4/4+G 2+ 1+ $4#0 #+,+-1 -0(F41/0 . "* *+# ",,"#$4 -+ . - *$#0# 0"* 1+ $"#+* 0 42 '0/0" 2"* +1'#0+-$"* 2+ +*$42" 25+*10 +*,+' 01 202+<

. 4 . F"#-01 1 $$+#0# " 20 '0, $01 " ,4;1 '02" + . ACD?' - . -" 103+1 0#1 /"(-1 14102"< (Z * 2+*$ -02" 0 #+' " . . +-20# " . +$:"2" 20 *

/ 0#$ '41 *$0 0,#"3+ $"4 ,0#0 +, /#0, :+ 2" *+4 0#$ /" 4 . 14 . -"*" ,+-*0 . +-$" 2+ 2+ 0*$ 1:"<

K?' *0;+# 1+# -0" 6 ,#'-20(-+ . 148"(. 0* -+'+** 202+(+ '"-2 /0" ,# . 0# 0(+ . ,#+1+# 3+1 20 ' 3 1 *0'0" " -$#1;40 . "* ," * ,"# $"2"* "* . "F2"* 2 #+'$"* + -2 #+'$"* ,0#0 *+ 2 1 4-2 # +*$0 013"#020 20* *' + ' 0*(20* 0#$+*(20 1 ;+#202+(20 F4*$ /0(20 3 #$42+(20 #+1 / 0"(20 *"' 0; 1 202+(-54 . 0 ,0103#0(20 3+-$4#0 :4 . 0-+ + . $"20 0 *40 + h$+-*0"Z H

R @0 0 % < 1 + D "# ;" "# %,%B '" "# 78EL

J ˢ 7 < : .

2"ˢ . +11 "2"Ɛ NM *+ˢ "ˢ ' . ,#+/030 . ˢ + . ˢ 1"20ˢ 0 +*'"10(% #1ˢ '10**+ˢ &#.ˢ
,0#020Ɛ 7 S 94+ˢ ,#"/#+**+*ˢ :03 0 . ˢ -‖+11+ˢ + 1"ˢ & 01 . -"*
16ˢ 0"ˢ #+ +# 2"ˢ 2 0 2+ˢ IC ˢ 2+ˢ 0;# 1ˢ 2+ˢ AC7>ˢ $ - :0 . ˢ #+*, "-2 2"ˢ A?Iˢ
,#" +**"#+*Ɛ 2"*ˢ 940+*ˢ *"ˢ AW $+-$0#0 . ˢ "ˢ . +11 "2"(+ˢ 25+*$+*ˢ *"ˢ 4 . ˢ 2+ ˢ
'10#030ˢ 94+ˢ :03 0 '"1: 2"ˢ #4'$"Ɛ 01/4-*ˢ *4*,+-2 0 . ˢ 0 -20ˢ "ˢ F4 G"Ɛ . 4 ˢ
$"*ˢ $ - :0 . ˢ 3"1$02"ˢ 0"ˢ 0-1 /"ˢ "2"*ˢ "*ˢ "41#"*ˢ '"- +**030 . ˢ 94+ˢ "ˢ -0"ˢ
$ - :0 . ˢ ,"2 2"ˢ +-*0 0# 0 -20(4-*ˢ ,"# -0"ˢ ,"2+#+ . ˢ 0$+ˢ +-$0"ˢ 0294 # #
,+# + 1"ˢ '"- :+' . +-$"ˢ 25+11+("4$#"*ˢ ,"# 0110 2+ˢ '0*0ˢ +ˢ 41+-* 1 "*("4 ˢ
$#"*ˢ F,"# +*$"#3"ˢ +ˢ #+, /-0-' 0ˢ 94+ˢ +-'"-$#030 . ˢ -"*ˢ ,0+*ˢ "4ˢ '0;+'0*ˢ 2+ˢ
0 . 1 0
) 401ˢ +#0(,"#+ F("ˢ '"-'+ 1"ˢ "# . 02"ˢ ,+10ˢ *+') 0"X *ˢ 0 #+*, "*$0<
K ˢ ,"# **"ˢ 94+ˢ "ˢ '"-*+1:"ˢ '"-$ -40ˢ 0 -'1 -0# *+ˢ 0 '#+# 94+ˢ 0*ˢ
30-$0/+-*(94+ˢ 01/4+ . ˢ $+ . ˢ 0,#+/"02"(* "ˢ ,"#3+-14#0ˢ +80/+#020*< +*ˢ
,+#0(,"#+ . (+*'10#+'+# *+ˢ . 0 *ˢ '" . ˢ "ˢ $+ . ,"(+ˢ 940-2"ˢ 1+-:0ˢ #+'"ˢ
: 2"ˢ $"20*ˢ 0*ˢ 2+'10#0'"+*ˢ 94+ˢ +8 / #0 S
. ˢ $"2"ˢ ˢ '0*"ˢ +-1+-2 0ˢ 0 *++/0"ˢ 94+ˢ :03 0 -+'+** 202+*ˢ . 4 $"ˢ
-00 *ˢ 4#/+-$+*ˢ 0 94+ˢ 0'42 #(+ˢ $0+*ˢ +#0 . < 0 2+ˢ ,#" +**"#+*ˢ '"-3+- +- ˢ
. +-$+ˢ :0; 1 102"*ˢ ,0#0ˢ "ˢ 94+ˢ 2+3 0 +-$#0# *+ . ˢ ,+#20ˢ 2+ˢ $+ . ,"ˢ + . ˢ
+8+#' ' "ˢ 0 +*'"10ˢ -"# . 01ˢ '#+020ˢ + . ˢ *;"0(,#+,0#0-2" *+ˢ 0** . ˢ "ˢ ,+*ˢ
*"01ˢ ,0#0ˢ "4$#0*ˢ +*'"10*ˢ -"# . 0+*Ɛ "#/0- *0# 4 . ˢ '"#,"ˢ 2+ˢ -*,+''7"(
94+ˢ 3 / 0**+ˢ '" . ˢ #+/210# 202+ˢ "ˢ +-* -"(+ˢ ,"2+**+ˢ 20# - "# . 0'"+*ˢ +80 ˢ
'$0*Ɛ +2 ' "*ˢ ,4;1 '"*ˢ ,0#0ˢ 0 . 0 "# ,0#$+ˢ 20*ˢ +*'"10*

-20ˢ -"*ˢ -*ˢ 2"ˢ 0--"ˢ 2+ˢ AC7Dˢ 2 G 0 "ˢ '"-*+1:"ˢ *4,+# "#<
K "ˢ ˢ * ˢ 2 $"ˢ * ˢ -0"ˢ ,62+ˢ "ˢ '"-*+1:"ˢ -20ˢ
"# . 0# F4 G"ˢ '0;01ˢ +ˢ *+/4#"ˢ "#0ˢ 940-1"ˢ 0 . + . "# 0ˢ 2"*ˢ 0' "*ˢ "ˢ '"- ‖
2+ . -+(+ˢ "*ˢ +-*0 "*ˢ + $"*ˢ + . ˢ $#+*ˢ +*'"10*ˢ 2"ˢ '"-*+1:"ˢ 2+ˢ " . ;#0ˢ :+ˢ
+F0 . ˢ 2+ 03"#0 + *Ɛ 94+# "ˢ '"-*+1:"ˢ 0 -20ˢ '"-'+2+# 0"ˢ $+ . ,"ˢ "ˢ 94+ˢ
#0*"03+1 . +-$+ˢ *+ˢ :+ˢ -0"ˢ ,62+ˢ -+/0#Ɛ 1+-2"ˢ + . ˢ 0$1+-/ 0"ˢ "ˢ . ,+# "ˢ 2"ˢ
:0; 1"ˢ 2"*ˢ . + :"2"*ˢ 0-$ /"*(0 #+14'10-' 0ˢ 2"ˢ ,"3"ˢ '"-$#0ˢ $42"ˢ 6ˢ 94+ˢ
+ˢ --"30/0"Ɛ +ˢ . 0 *ˢ 94+ˢ $42"(0 0- . 023+#*0"ˢ 94+ˢ *4*' $0# 0ˢ 0 42 *ˢ
'# /0"ˢ 2+ˢ 94+#+# 4"20# 0 "#$4-0ˢ 2"ˢ . +$:"2"ˢ *";#+ˢ 0 #4 -0ˢ $"$01ˢ 2"*ˢ
"4$#"* Z

. ˢ 20$0ˢ 2+ˢ A7ˢ 2+ˢ "414;#"ˢ 2+ˢ AC77ˢ 2 # / 4ˢ -$"- "ˢ +1 ' 0-"ˢ 2+ˢ
0*$ 1:"ˢ 7ˢ ˢ ˢ * ˢ 2"ˢ #+‖-"ˢ +ˢ 1:0*ˢ 4 . ˢ " ' "(-"ˢ
9401ˢ 0 '"-3 2030ˢ 0 -" . +0# -"ˢ *+4ˢ ,#",# "ˢ *+ "ˢ 4 . 0ˢ '" . . **0"(+*'"

G % ˢ ˢ ;5 + 9$ ˢ ˢ ˢ ˢ ˢ &$ ˢ ˢ
7 ?ˢ ˢ ˢ ˢ ACCD

J ˢAV?ˢ J

: '10ˢ +ˢ -4 . +#"*0(ˢ K,0#0ˢ +80 . -0#ˢ +ˢ '" . ,0#0#(ˢ -"*ˢ *"4*ˢ $#0;011 "*(ˢ "ˢ -"*ˢ *+-*ˢ ,#"24'$"*(ˢ 0*ˢ +*'"10*ˢ 2"ˢ 5 ˢ * ˢ +ˢ 0*ˢ 2"ˢ 0-$+# "#Eˢ 0ˢ .ˢ 2+ˢ 94+(ˢ *";#+ˢ +**0ˢ ;0*+ˢ ,"* 1 30(ˢ +ˢ '" .ˢ "*ˢ .0 *ˢ '"-;+' . +-1"*ˢ 94+ˢ "*ˢ ,#" +**"#+*ˢ :"03+**+ .ˢ F2ˢ 0294 # 2"(ˢ "4ˢ ,"2+**+ .ˢ 0294 # #(ˢ -"ˢ 0**4 . ,$"(ˢ "# . 410**+ .(ˢ *+ .ˢ '"-$+ . ,10)"+*(ˢ 0ˢ * 0ˢ *+-1+-'0ˢ 1 "-#020ˢ +ˢ . ,0#' 01(ˢ 3+-+#0-20ˢ +ˢ -0,+1103+1

"ˢ . +* . "ˢ " ' "ˢ +80#030ˢ "ˢ 114*$#+ˢ 0-'$"#ˢ 2"ˢ 5 ˢ * ˢ 4#00ˢ *+# +ˢ 2+ˢ 9-+* 1"*(ˢ *";#+ˢ "*ˢ 940+*ˢ 2+*+F030ˢ 94+ˢ 0ˢ '" -- **0"ˢ ,0#ˢ $ '-10# *0**+(ˢ . 4 $"ˢ 0$$+-10 . +-$+(ˢ "ˢ *"4ˢ +80 -+ˢ +ˢ F4 G"

*(ˢ + .ˢ *4;*$0-' 0(ˢ "*ˢ '4# "*"*ˢ 94+* $"*<

)401ˢ 2"*ˢ 2" *ˢ +-* -"*ˢ +ˢ .0 *ˢ 011#0'1 3"X

I ˢ Lˢ)401ˢ *+ˢ ,+# 0Gˢ + .ˢ . +-"*ˢ $+ . ,"X

7 ˢ Uˢ)401ˢ 20ˢ #4'$"ˢ .0 *ˢ 0;--20-$+ˢ +ˢ . +1;"#X

> ˢ Sˢ)401ˢ 2"*ˢ 2" *'" . ; -0(ˢ .0 *ˢ + '0G#0+-1"(ˢ 0ˢ '"##+'/0"ˢ 20ˢ ,#" ˢ -4-' 0ˢ +ˢ 0ˢ #+ "# . 0ˢ 20ˢ 1+# . -"1"/ 0ˢ ;0#;0#0ˢ 20ˢ ,1+;+Xˢ "ˢ 1+#ˢ +8,+2 $+(ˢ +-$"02"ˢ +ˢ -$+11 /+-$+(ˢ +ˢ "ˢ +*'#+3+#ˢ 1+/ 3+1(ˢ '"##+'$"ˢ +ˢ ,"-$402"X

D ˢ Sˢ)401ˢ 2"*ˢ 2" *ˢ *+ˢ 0''" . . "20ˢ . +1;"#ˢ *ˢ +8 /+-' 0*ˢ ,:N* '0*ˢ +ˢ -ˢ *$ -'$ 30*ˢ 20ˢ ,4+# ' 0X

6 ˢ Sˢ)401ˢ 2"*ˢ 2" *ˢ . +#+'+ˢ 0ˢ ,01 . 0(ˢ '"-* 2+#02"ˢ *";ˢ "ˢ ,"-$"ˢ 2+ˢ 3 *$0ˢ . "#01< 9401ˢ + . ,#+/0ˢ . +-"*ˢ # /"#ˢ +ˢ .0 *ˢ 0 . "#X

V ˢ Lˢ)401ˢ 2"*ˢ 2" *ˢ + . ,#+/0ˢ 3+#202+ #0 . +-$+ˢ "ˢ . "2"ˢ * . 41$0 +"(ˢ +#0ˢ $"2"ˢ "ˢ # /"#ˢ 2"ˢ $+# . "X

C ˢ Sˢ .ˢ 9401ˢ 2"*ˢ 2" *ˢ *+ˢ ,"2+#0"ˢ +-8+#$0#(ˢ '" .ˢ .0 "#ˢ ,#";0; 1 ˢ 202+ˢ 2+ˢ ;" .ˢ +8 $"(ˢ "*ˢ "4$#"*ˢ #0 . "*ˢ 2"ˢ ,# . 0# "ˢ +-* -"X

W ˢ Sˢ)401ˢ 2"*ˢ 2" *ˢ 0 0-/0ˢ .0 *ˢ ,"1 ' 0(ˢ 0$$+-/0"ˢ +ˢ 2+'+-' 0ˢ 0*ˢ +*R '"10*X

A? ˢ Sˢ .ˢ 9401ˢ 2"*ˢ 2" *ˢ *+ˢ 0,+# + /"0#ˢ . +1;"#ˢ +ˢ '#+*'+#ˢ .0 *ˢ "ˢ ,#" +**"#ˢ ,# . 0# "ˢ 0"*ˢ "1:"*ˢ 2"*ˢ *+-*ˢ 014 . -"*(ˢ -"ˢ #+*,+ $"ˢ 20*ˢ ,",4 ˢ 10/"+*(ˢ -0ˢ +*$ .0ˢ 20ˢ *40ˢ ,#",# 0ˢ '"-*' +-' 0(ˢ +ˢ -"ˢ F4 G"ˢ 20ˢ #"3 2+-' 0(ˢ '4F"ˢ +ˢ 2+1+/02"ˢ *";#+ˢ 0ˢ $+##0X

.ˢ I7ˢ 2+ˢ 0-+ #"ˢ 2+ˢ AC76ˢ 2+4ˢ 0ˢ '" . . ** "ˢ "ˢ *+4ˢ ,0#+'+ 3 #+*ˢ ,"-2+-2"ˢ 0ˢ '040ˢ 4 . 2"*ˢ 94+* $"*ˢ ,#","*$"*ˢ +#0ˢ *+-$ 2"ˢ 2+* 03"#03+1ˢ 0"ˢ 5 ˢ ˢ * ˢ ,"#3+-$4#0ˢ *+#ˢ '"-* 2+#02"ˢ '" . "ˢ +8,#+**0"ˢ 2"ˢ *+4ˢ . "2"ˢ 2+ˢ +-'0#0#ˢ "ˢ 0**4 . ,$"ˢ "ˢ *+/4 -$+ˢ](ˢ 94+ˢ 1"/"ˢ -"ˢ ,# -' , "ˢ 2+ˢ *40ˢ #+*,"*10ˢ *+ˢ +-'"-$#0<

K > 301 02"ˢ -0ˢ /+-+#01 202+ˢ +ˢ -0ˢ +*,+' 01 202+ˢ "ˢ 5 ˢ ˢ F41/0ˢ 0ˢ '" . . **0"ˢ 94+ˢ -0"ˢ '"-3 #0ˢ 0"ˢ ,4;1 '"(ˢ ,"#ˢ *+#ˢ '"-$#0# "ˢ ˢ +24ˢ '0/0"(ˢ +ˢ 0*ˢ 2 *,"* /"+*ˢ 20ˢ ;"0ˢ 1"/ '0ˢ -"ˢ ";F+'$"ˢ 94+ˢ $#0$0 . "*Eˢ -0"ˢ ,+#ˢ . $$ -2"ˢ 0ˢ ,"1 ' 0ˢ ,"** 3+1(ˢ -+ .ˢ 2+*'#+3+-2"ˢ 0ˢ .0$+# 0(ˢ . "$ 3+ˢ +ˢ .

20 0#$+ 2+ 1+#(,+1"* 2 3+#*"* ' ,#+' *"* " ' "* 20* 3"G+* + 0#$ '410 /"+* - " + . ,#+/" 20 ,0103#0(" 9 + ,#"30# #010-2" 20 +*,+' 01 202+ 2" . +* . " . +11 "2"Z Q

"/" -" 2 0 ID 2+ . 0#/" 2+ A D6 '"#0+/"4 " 114*$#' 0 '$"# 2" 5 0 , ;1 '0# -" # ; 0 #' 4$0/0" 2" ,0 #+'+# 2"* ,#" +**"#+*(0 9401 '"-$ -4"4 0 *+# ,4;1 '020 + . *4''+** 3"* 144-+#"* 2" . +* . " #

0 . ;+ . ' '" . " +1+ . +-$" 2+ +*$42" + ,0#0 0 0,#+' 0/0" 2" 5 3+F0 -0 940#10 +2 /0" 2 +11+ " # * " +#+' 2" ,+1" 0-'$"

+F0 +/ 01 . +-1+ "* 0#$ /"*('"##+*,"-2+-' 0(+ 0,#+' 0/;+*(94+ *+ '-'"-1#0 . -"* 2 3+#*"* -4 . +#"* 2" F"#-01 1 11+#0# " B2"* 0--"* 2+ ACDV + ACDC -1 $4102"< % * . * 3 2% > 4 : 4 **

?* *4;* 2 " 0 94+ -" ,# -' , " 25+*$+ '0, 141" 01142 . "* + " *+ /4 -1+<

8 *#* "*+ 0# 0 0$ -" "+1:" + 41 " 0120* 41+$+(, ;1 '0 #0 - -" 2" 0--" 2+ ACD> +*$+ #0;01:"(94+ +#0 3+#202+ + *4 . . 0 -+-$+ -*1- '1 3" " . +/0#0$- ," # 20# -"1 ' 0 20 : "4 : 2+ "0" 2+ 0##"*E + ,+#'"##+-2" 2+ +*,0/" " . +$:"2" 2+ 1+# +#0 ,"#$4/4+G(,"# +*$+ ,#", "*$"(#+'"-:+'+#0#0 94+ " -* /-+ ; * $"# 02"# *+ . 9*$#0#0 $0 . ;+ . , :1"1"/" -"$03+1(1+30-$0-2" *+ 0' . 0 2" *+4 *+'41"(+ K*0;+-2" ,#+3+# . 4 10* ";*+#30'"+* + . 4 $0* 2+0*(94+ 2+," * *+ :03 0#0 2+ '"11 +# + "# . 410# -0* +202+* 2+ #00 * 1"#+* '+-1+ ' 3 1 *0/0" S

+#'"##+#0#0 2+," * "* +*'# ,$"* 2+ 40#$+ 4-+* 2+ +0" &9 2 * * * + 9 * * * * ' + #+'"-:+'+#0#0 94+ K,0#$ #0 +11+ 2" ,# -' , " 2+ 94+ 0 1 -/40 10$ -0 +#0 - "2+1" + 0 -"# . 0 4- '0 2" 0110# + 2" +*'#+3+# ,"#$4/4+G + 4 . 0 3+G **+-$020 0 *40 $:+"# 0 ,"4'" :+ . ,"#$030 94+ "* 0'$"* '"-$#0 +110 *+ #+;+110**+ - 0 '020 ,0**" H

R 0+, 0 *0 ,0 #1''%#5 0 0 $ $ &, & &''%#& , &'* 1 '0 #&$ &,0"0 &. & * 060 '" &'$ 5#&& #&'#+* +, 01.&#+ ' ('"# 1B 0'" '51'" '2). DM # " '$ +* $ '" '2)

11 . 0 . +-$+' '"-*41$0#0 . ' "' /#0-2+' : . 0- *$0' +#"-N -"' "0#+*' 0#R ;"*0(+' 2"' *+4' 1 3#" J 8 ' * * ' ' * ' J +' 2"*' *+4*' ' 2+' 3 * 102"#' 20*' +*'"10*' ,# . 0# 0*' -0' 2 "'+*+' 2"' " . R ;#0($#0-*'#+3+#0 . ' 2 3+#*0*' ,0**0/+-*("-2+' +#0' '+-* #02"' "' . +$:"2"' *+/4 2"' -0*' +*'"10*(+' *+' 0,"-$030#0' "*' #0+ "*' 2+' #+ . +2 0#"*' 3 ' "*' -' $#"24G 2"*' +#"-N . "' "0#+*' 0#;"*0(-0"' *" . +-$+' +8,4-1 0' "*' ,#"'+*' *"*' 9 +' 2+3 0#0' *+/4 # *+(. 0*' $0 . ;+#0' 0,#+*+-1030' 0*' #0G"+*' , : 1"*" ' , : '0*' + . ' 94+' 0**+-$0#0' "*' *+4*' +-4-' 02"*

0' #04 $"' 94+' 0,#"3+ $0# 0 -20' :"F+' -"*' +8'+#,1"*' 94+' 2"*' +*'# ' ,1"*' 2+' +#"-N . "' "0#+*' 0#;"*0' 0,#+*+-$0 . ' "*' 04'1"#+*' 2"*' 8 '6

. ' ACVD' #00-2"4' "' /"3+#-"' ,#"'+2+#' 0' 4 . 0' -*,+'/0"' +81#0"#2 ' -0# 0' 0*' +*'"10*' ,# . 0# 0*' 2+' 0 . ;"*' "*' *+8"*(+' ,"#' +**0' "''0* 0"' 2+4' 0"*' -*,+'$"#+*' 2*' . 0 * 03 *020*' +

"-2+ . -"4' "' ' -0"' *"' ,"#' *+#' '"-$#0# "' 0,' #+' /410#0+-$"(*+-0"' 10#0;+#0' ,"#' *+#' 0;*"14$0 . +-$+' -02 . ** 3+1' 940-2"' 0' #+94+-' 0' +' 4 -' 10-$"' -4 . +#"*0

"' ' #+'"-:+'+4' 0' 30-10/+ . ' 2+' '"-*+/4 #' 94+' "*' 014 . -"*' +*$+F0 . ' $"2"*' 01$+-$"*' +' '" . "' 94+' 20-2"' 1 /0"' 0"' . +* . "' $+ . ,"(+' -0"' +' -'" . ,01 3+1' '" . ' "' + . ,#+/"' 2"*' 2+'4# "+*('" . "' F0' 3 . "*' 940-2"' 0,"-10 . "*' "' \' 4- '"' 2"' 0#1 /"' 7? S' 2"' #+/410 . +-1"' 2+' I?' 2+' 2+G+ . ;#"' 2+' ACD?

+3 0 . ' "*' -*,+'$"#+*' 0G+#'" . ,#+:+-2+#"*' ,#"'+***"*' 2+*1+' 1 +' $:"2"E . 0*' 0'04$+1030 *+' '" . ' 0'+#$"(94+' :0"' "**+ . ' +*$+*' ,#"'+**+*' . ,"*$"*' +8'14* 30 . +-$+' +#+'+ . ' *+#Z#+,#"24G 20*' 0*' +8,#+**"+*' + . ' ,#+/020*' ,0#0' 20# 0' #0G0"' 2+*$0' #+*+#30< K,"# 940-$"' 0' ,#" ' +-' 0' 2"*' . +$:"2"*' 2+,+-2+' . 4 $"' 2+' 94+ . ' +-* -0(+' -0"' 6' #0#"' 3+# 94+' 4#-' . +$;"2"' 0;*"14$0 . +-$+' . 0 * ,+# + $"' 22' . +-"*' #+*41$02"*' -4 . 0' +*R '"10' 2"' 94+' + . ' "4$#0' - . ' . 0 * 2+ + 14"*" H

* ' 0,"-$0 . ' +/401 . +-$+' "' * ' "' 940' '"-* *$+' + . ' +-* -0# 0"' . +* . "' $+ . ,"' 0' 1+#(0' +*'#+3+#(0' ,#$"/#0, :0#(+' 0' 2+*+-:0#(0G+-2"' 94+' +*$0*' 2 *' ,1 -0*' *+' 048 1 + . ' *+ . ' '0-/0**"' -+ . ' +- 02"' ,0#0' "*' 014 . -"0

"3' 0#0' /4 0# "*' ,#" +**"#+*' -0' ,#01 '0' 2+*1+' . +$:"2"' #+'" . ' . +-20 . ' 0*' -*$#4'"+*' 0' : ' " ' 6 Z' +2 /0"(,"# ' 0120*' 41+$+

+'" . . +-20 . ' $0 . i+ . ' "' ' 2+#*$ -02"' 0' 2+*+-3"1' 3+# 0*' 0'41202+*' 2"' 014 . -"(";# /0-2" "' 0' #+ 1+'1 # +' 0' #0' "' -0# *"' ;#+' "*' 2 +#+-$+*' ";F+'$"*' 94+' "' '+#'0 . (

"3' "' 8 ' (' ,"# " "' "*6' 2+' "4*0' +11+*(*0"' +8,"*

10* 0* ,# -' ,0+* #+/#0* + +8+ . ,1"* ,0#0 0 0, ,1 '0'0" 2+*1+ +-/+- :"*"
. +$:"2"

+10$ 30 . +-1+ 0" 5 2 G+ . 0* -*1#4') "+*(94+ '"-
16 . 01/4-* ,#"'+**+* ,#"3+ $"*"* + 1+ . ;#0-'0* 14 . -"*0*E #+'" - . +-
20-2" 0 1+ 14#0 2" 1 3#" 2+ 2+ 0*$ 1:"

"3 0#0 " 2+*+-3"13 . +-1" 2"* +-4-' 02"*Z20* -*1#4'';+* 9-+
2+ 80 . "* #+*4 . 2"*(2+3+ . "* #+ . +11+# "* 1+ $"#+* ,0#0 " *+/4 -$+ +
. 4 1" # *1#4'1 3" +*'# ,1"E : * EL
EFLM * * *
, "# 1;+#1" 2+ . +-$+1 B+-'0##+/02" 2+ -*,+'
' "-0# ' . '"$- . **0" 0* +*'"10* ,# . 0# 0* 2" C S ' #'41" +*'"10# 2" 2 *
'$" 2+ *;"0 +$4;01(ACV6

-$+* 2" +*'# ,1" 94+ 2+ 80 . "* 0,"-102"(*0 4 0 10 . + B+ . AC66
4#- #'10$"# "(2" 9401 F0 1 3+ . "* "''0* 0" 2+ 20# -"$ ' 0 -" '0, 141" J
8) 4+#+ . "* 0110# 2" % 2
* , "# 0# 0-" : #0

5+**+ #+10$"# " + '"-2+ . -02" " 0-1 /" . +$:"2" 2+ 1+ 14#0 + 2"
'" . " *+-2"

0110-2" 2" * : 2 G 94+ +11+ K0 0G " '"
#0)0" 20 '#+0-/0 0 -*1 -'$"* ;+- /"* + :4 . 0-"*(+ ";# /0 " +*, # $"(
-0" *" 0"* 1 0; $"* . -+ . "- '"* B$0" -+'+**0# +* ,0#0 +*142"* 411+# "
#+* ('" . " 0" #0' "' - " 1"/ '" + . +$:"2 '" 1+ 14#0 04# '410#(94+ +
4 . 0 20* ;# 1:0-1+* + +1 G+* --"30/"+* 25+*1+ . +$:"2"(-0" *" 0,10-0
0* 2 1 '41202+* 20 1+ 14#0 "'410#(*+-0" 94+ +-* -0 0 '"## / # + ,#"-4-
' 0# '" . +# + /0" 0* ,0103#0* 94+ " 341/" '"*$4 . 0 02411+#0# H

#+ 94+ -0" 9402#0 0 +**+ . +$:"2" 0 2+-" . -0/0" 2+ *
0-$+* " '"-* 2+#0 . 0 * 2+ . "#02" $013+G 2" 94+ " 0-1 /"(, "# **" 94+
+ . 0 * '" . ,1+$" + ,+#1' $" 2" 94+ " 0-1 /"

"# +*$+ . +$:"2" 0* '#+0-/0* 0,#+-2+#0 *+ . #+,4/-0-' 0(,"#94+
0,#+-2+ . ;# '0-2"

"-'14+ 94+(+ . *40 ", - 0"(K" . +1:"2" '" . $"2"* "* *+4* ,#"R
'+**+* + 0, ,1 '03+1 '" . 30-$0/+#0 -"* 0*FE1"*E *+-2" *" ,0#0 2+*+F0#
94+ *+ *4;*1 $4 **+ "41#0 . 4* '0 0 94+ 0'1401 . +-$+ *+ 02",$0 -" '0-1"
94+ + . "-"$"-+ + ,"4'" ,#",# " ,0#0 '"#0/"'* 01+/#+* + F43+- *

" 94+ #+*,+ 10 0* +*'"10* "#0 2"* 0*N1"* -0" 1 -:0 " . +$:"2"
* 2+ 02",$02"(*+-0" +8'+,' "-01 . +-$+(+ 0 -20 0** . '" . 01/4 . 0* . "
2 '0/4+*

'0#$0 2+ 1+ 2+ I 2+ . 0 " 2+ ACVC(94+ #+ "# . "4 + #+"#/0- *"4

ˢ +-* -ⁿˢ ,# #00# "(2+$+##0 -0ˢ 94+ˢ + .ˢ '020ˢ '"- '+1:ⁿˢ :0F0ˢ 0- -401#0+-1+ˢ
4 . 0ˢ ˢ ˢ * ˢ ˢ ˢ * + ˢ ˢ ˢ ˢ
ˢ ˢ ˢ ˢ ˢ ˢ ˢ +ˢ $"2"*ˢ "*ˢ 0**4 . ,$"*ˢ 94+ˢ +*,+' 01ˢ
. +-$+ˢ 2 **+#+ .ˢ #+*,+ $"ⁿˢ 7 -*$#4'/0"ⁿˢ ,# . 0# 0

: ˢ * ˢ ;"F+5 . 4 $"ⁿˢ +#0ˢ 4*"(1++ -ˢ ,"# ";F+'$"ⁿˢ 0
"#/0- *0/0"ⁿˢ +ˢ 2 *' ,1 -0ˢ +*'"10#+*(ˢ ˢ ˢ * ˢ ˢ 2
ˢ ˢ 0* 10'4-0* 94+ˢ 6ˢ -+'+**0# "ⁿˢ 0 -20ˢ ,#++-': +# -0* '" ˢ
0 2"ⁿˢ +-* -"(0* 2 '41202+* 94+ˢ +ˢ ,#+' *+ˢ #+ . "3+#(0* #+ "# . 0* 94+ˢ
*+ˢ F41/4+-0ˢ '"-3+- +-$+*Z

0#+'+ -"*ˢ -2 *,+-*03+1ˢ 20#ˢ 094ˢ ;#+3+ˢ -"1 ' 0ˢ 20*ˢ * ˢ
* ˢ '+1+;#020*ˢ + .ˢ *;"0(2+ˢ 94+ˢ $+ . "*ˢ '"-1 +' . +-$"
0$0 .ˢ 0*ˢ ,# .+# 0*ˢ 2"ⁿˢ 0- -"ⁿˢ 2+ˢ AC6V(+ˢ 0ˢ #+*,+ $"ⁿˢ 25+*$0*ˢ '8 *$+ˢ
ˢ *+/4 -$+ˢ +1+ . +-$"ⁿˢ 2+ˢ - "# . 0/0"<
ˢ ˢ 9 ˢ ˢ ˢ* ˢ ˢ ˢ D ˢ " 2
ˢ ˢ ˢ ˢ ˢ + ˢ ˢ EFBL2EFBFˢ ˢ ˢ * ˢ ˢ
5 ˢ ; ˢ ˢ ˢ ˢ ˢ ˢ ˢ 2
ˢ D ˢ AC6C
0ˢ ,# . + #0ˢ *+**0"ⁿˢ 2+'10#"4ˢ "ⁿˢ ,#+* 2+-$"ⁿˢ 94+ˢ +* 0*ˢ '"- +#+-' 0*ˢ
$ -:0 .ˢ ,"# .ˢ 0;# # 2 *'4**0"ⁿˢ +ˢ 1" . 0# #+*"14'"+*ˢ *";#+ˢ 01/4-*ˢ ,"-$"*ˢ
. ,"#10-$+*ˢ 2+ˢ ,+20/"/ 0
,#+*+-$"4ˢ 0ˢ 2 *'4**0"ⁿˢ "ⁿˢ . "2+1"ⁿˢ 2"ⁿˢ #+/ *$"ⁿˢ 2+ˢ . 0$# '410ˢ ,0#0ˢ 0*ˢ
+*'"10*(1" . 0-2" *+ˢ ,"# ;0*+ˢ 4#0ˢ #-0, ,0ˢ 94+ˢ +*$030ˢ # *'02"ⁿˢ -"ⁿˢ 9402#"ⁿˢ
,#+$"(+ˢ "#0ˢ 0,#+*+-$02"ⁿˢ ,"# #0-ˢ 2"*ˢ -*,+'1"#+*
0ˢ *+**0"ⁿˢ 2+ˢ Iˢ 2+ˢ 0-+ #"ⁿˢ 2+ˢ AC6Cˢ "ˢ 2 *'4$ 2"ⁿˢ "4$#"ⁿˢ #-0, ,0ˢ #+R
10$ 3+ˢ 0"ⁿˢ #+/ *$"ⁿˢ 2+ˢ #+94+-' 0ˢ +ˢ 0,#"3+ $0 . +-1"ⁿˢ 2"*ˢ 014 . -"*(94+ˢ "ˢ
0, ,#"302"ⁿˢ -0ˢ *+**0"ⁿˢ 2+ˢ 7ˢ 2"ⁿˢ . +* . "ⁿˢ . +G
0ˢ *+**0,ˢ 2+ˢ >ˢ 2+ˢ 0-+ #"ⁿˢ "ˢ -" . +020ˢ 4 . 0ˢ '" . . **0"ⁿˢ +-'0##+/020ˢ
2+ˢ 0,#+*+-$0#ˢ "ⁿˢ *+4ˢ ,0#+'+#ˢ *";#+ˢ 0ˢ '10** 1+0'0"ⁿˢ +ˢ +81+-*0"ⁿˢ 2"ⁿˢ +-* -"ⁿˢ
,# . 0# "
"ˢ 0,#+*+-$02"ⁿˢ "ⁿˢ ,0#+'+#ˢ -0ˢ *+**0"ⁿˢ 2+ˢ 6ˢ 2+ˢ +3+#+ #"E '" . +/0-2"ⁿˢ
1"/"ⁿˢ 0ˢ '" . ,+1+-$+ˢ 2 *'4**0"ⁿˢ 94+ˢ "'4, "4ˢ 0* *+**"+*ˢ 2+ˢ Dˢ A6ˢ 2+ˢ . 0#ˢ
ˢ +ˢ "ˢ 0, ,#"302"ⁿˢ -0ˢ 2+ˢ Iˢ 2+ˢ 0;# 1(2 0ˢ 41$."ⁿˢ 20* '"- +#+-' 0*
"3ˢ "ⁿˢ ' 102"ⁿˢ ",4*"41"ⁿˢ ^+ $Q+-'"-$#0 . *+ˢ "*ˢ . "2+1"*ˢ 2+ˢ *2
* ˢ ˢ ˢ ˢ ˢ +ˢ 2+ˢ , ˢ 0, ,#"3020*ˢ -0* '"- +#+-R
' 0*E "*ˢ * ˢ * ˢ ˢ ˢ * ˢ "ˢ #+10$"# "ⁿˢ 20ˢ '" .

RRˢ ˢ 0+%#)ˢ 0+* &* ˢ "#ˢ #"# &ˢ ,#)(ˢ /ˢ , ˢ ˢ ˢ, ˢ ˢ 2ˢ 2
$ ˢ

. **0"' +-'0##+/1F20' 2+' 20#' "' *+4' * ' ' ' ' ' +*'
' *

.' ACV>' :"43+' $0 . ;+ .' '"- +#+-' 0*(' + .' 6' *+**"+*' 2"*' . +G+*' 2+'
*+$+ . ;#"(" 14;#"' +' -"3+ . ;#"(
?' ";F+'$"' 2‖+*10*' '"- +#+-' 0*' "' $#010#' 2"*' . + "*' '"-'+#-+-1+*' 0'
. +1:"#0#' "' +-* -"' ,# . 0# "
"#0 .' 2 *'4$ 2"*' "*' *+/4 -$+*' ,"-1"*<
1"#0# "' 20*' 0410*
$0;+1+' -+-$"' 2+' 4 . 0' +'"10' 2" . - '01‖

"- +5+-' 0*' 2"' 0--"' 2+' ACVC(' *";' 0' ,#+* 2+-' 0' 2"' *#' 4/4*1"'
"*+' 20' . :0(' '" . #0 **0# "' 2"*' +*$42"*' 2"' 2 *$# '$"(' ' #+ 1"#' 2"' N'+4'
0' "-01' 2+' *;"0
' ,# . + #0' *+**0"' + +' "4 *+' -"' 2 0' V' 2+' 0-+ #"' " ' -" . +020'
4 . 0' '" . . **0"' +-'0##+/020' 2+' 0,#+*+-10# "*' . 0, ,0*' -+'+**0# +*' ,0#0'
4 . 0' ;"0' +*'# ,14#0' "' +*'"10#
+-2"' 0' '" . . **0"' 0,#+*+-102"' "*' *+-*' #0;01:"*(' '" . +'"4' -0'
*+**0"' 2+' V 2+' +3+#+ #"' 0' 2 *'41 # *+' 4#-' . 0, ,0' *";#+' #+/ *1"' 2+' . 0'
$# '410' 1 0*' +*'"10*(' "' 9401' " ' 0, ,#"302"' -0' *+**0"' 2+' IC' 2+' . 0#'"
0*' *+**"+*' . . +2 010*(' +' 41$. 0*(' 2+' AA' +' ID' 2)' 0;# 1(' 3+#*"4' 0'
2 *'4**0"' *";#+' . +$:"2"*' 2+' 1+ 14#0(' 0' ,#", "* 1"' 2+' 4 . 0' 94+*10"' #+10'
$ 30' 0"' . +1:"2"' K "0"' 2+' +4* H

,"-10#+ . "*' 09 ' 01/--*' 0#1 /"*' #+10$ 3+*' 0' . +$:"2"1"/ 0F' 2+' 94+'
$+ . "*' '"-:+' . +-$"(,"*$+# "#+*' 0"*' 2"' 3 *'"-2+' 2+' 0*$ 1:"<
5 ' (, * ' ' : ' " ' ,"# 0$ -"' "+1:"(+'
0120*' 41+$+' "# +*$+' . +1:"2"' K+-* -0 *+' * . 4110-+0 . +-1+' 0' 1+#(' 0'
+*'#+3+#(' +' 0' "#1:"/#0, :0#(' ,"# .' ,#"'+**"' $0"' -0$4#01' +' 0' 1(' 94+'
+ .' #-4 1"' ,"4'"' $+ . ,"' 0*' '#+0-/0*' '" .' /#0-2+' 0,#0G . +-$"' 0294 #+-'
0' ,#01 '0' 25+*$0*' 2 *' ,1 -+* 0
.' AC6W' '""#2+-0#0 .' "*' . +*#0"*' 0 J 8 D * ' ' '
* @ ' :0# . "- 0' '" .' "' . +1:"2" 20' : ' "

.' ACVA' 0, ,0#+'+4' " J " ' ' ' ' ' J ,"#'
1 #+2"' 41 "' 2+' # $"' B *;"0
0 . ;+ .' -"' . ‖+* . "' 0--"' 0, ,0#+'+4' 0' CS' +2 /0"' @ " '
' * ' * ' ' ' J ' ,"# "*+' 0 . "*' 20' 0G' B "#$"
± o
((
" ' '"-:+' 2"' + .' "#$4/01' "' 5 ' . ' ,4;1 '02"' +' 02",$02"

-'" '" 2+' 0-+ #"(+ . ' A C V 6 K ' +#$+-'+' 0"*' . "2+# "*' . +1: "2"*' 2+' *N110;0/0"É 4 $20' 0' * 0' 2 3 *0'" -0' *+,0#0 0'" 20*' 3"G+*' +' 0#1 '410'"+*(*+/4 -2'" +*10*' 0' "#2+ . ' -0$4#01' 20' *40' '10** '0 0'" , : N* "1"/ '0(+' 6 2 3 2 2;' + . ' A7 1 /"+*('020' 4#00' 20*' 940+*' '"-$+ . ' +8+#' ' "*' +' +8,1 ' '0/"+*' 94+' 2+3+#0' *+#' 2+' /#0-2+' 41 1 202+' -'" +-* -" Z

#0' ACVV' "' ,4;1 '020' 0 J : ' ' '* ' ' 2
J ,"# "*+' -$"-'" . "+*' 0,"*"
?' 04'1"# 0' '""#2+-"4' *+/4-2'" 4 . ' #0+1: "2'" 0-01N1 '"' +' #0' "-01(2 *,"-2" 0' ,"# 4#00' "#2+ . ' 94+' :+' ,0#+'+4' -0$4#01(0' 1' +' /#02401 (#0' 2+*$ -020' ,0#0' 4*'" 2"*' 014 . -"*' 20' +01' 0*0' 0' 2+' *;"0

. ' ACVV' "' ,4;1 '020' -'" "#$'" ,"# 0-2 2'" ' ' 2+' 024#+ #0(0;;02+' 25 #'"G+11"(: ' ' "4' ' ' ' ,"# "0'" 2+' +4*
K *$+' *N*$+ . 0(2 G' '" 04'1"# 4# 20 *+' -0' 1 -/40' 3 30' 0'" 0,#+' *+-10' "*' *+ *' "4' " $'" 0;+'+20# "*' 2'" '"*$4 . +(*+-0'" 4 . (2'" $N,'" . 0 * #+94+-1+(+' - "$"2'" . 0*' ,"# ,0# +*(-2'" 1"/'" '" . ; -0-2'" +**+*' +1+' . +-$"*' '"-:+' 2"*' + . ' ,0103#0*' 94+' *+' 2 /0 . (94+' *+' "4/0 . (94+' *+' +-$+-20#0(94+' *+' +8,1 94+ . É 2+' . "2'" 94+(+#0' 3+G' 2'" ,# -' , 0-$'" 0,4#0# 0' ,0' +-' 0' -54 . 0' #+,+$ /0'" ;0-01(*+' 0#0 1 0# *0' '" -' 0*' 1+11#0*' +' "*' *+4*' 301"#+*' -0' 1+ $4#0' 0- #0020' 2'" ,0103#0*' -$+11 / 3+ * ' & . 0+*(94+' 2'" '"#0/0'" ,#" +**0 . ' 0' #+1 / 0'" 20' 02"#03+1' - -"'+-' 0' '" 0$+' ,"# -*$ -'$'" *0;+ . ' 94+' + . ' '+#+;#"*' $0'" $+-#"*' +' . ."*"*' $"2'" '" '0-'0*'" +' 3 "1+-' 0' ,"2+' 2+ 80# 3+*1 / "*' -2+1+3+ *("1 +#+'+ . "*' -5+*1+' *N*$+ . 0' ,#" 4-20 . +-$+' ,#01 '"' '" . + '" 2+' +3 $0# 0' *+4*' 1: "*' '" 10/+11'" 20' '0#$ 1: 0' $#02 ' "-01 S

/' ' ' ' ' ' 3 : ' * ' ' ' '
,"# ' ' 2+' # $'" #0-: 0("' ,#+#-+02'" -0' +8,"* /0'" 2+' +'"-" . 0' 2" . +*$ '0' 2+' 0# *' + . ' ACVI(+' -0' 2+' +--0' 25 4*$# 0' + . ' ACV7
K 5+*$+' 1 3# -:"(2 G' '" 04'$"# -0' ' *+/4 ' #0"*(+ . ' 940-1("' 0'" +-* -'" 20*' 1+11#0*' +' 20*' *N110;0*(4 . ' *N*$+ . 0' 94+' -"*' ,0#+'+4' . 4 1'" 4$ 1' "11"'0 -"*' 0*' 3"/0+*' + . ' ,# . + #'" 1"/0#(,"# *+#+ . ' 0*' 1+$1#0*' ,# -' , ¡ +*+' +**+-' 0+*' + . ' 1"20*' 0*' 1 -/40*É +' + . ' 3+G' 20' . "-"$"- 0' 20*' *N110;0*' *"1$0*("# . 0 . "*' 1"/'" ,0103#0*' +' , :#0*+*' 94+' 1"#-0#0"(0'" 94+' *+' -"*' / #0('" +*142'" . 0 *' 0' 1' +' . 0 *' 0/#020 ' 3+1' ,0#0' 0*' '#+0-/0*
41/0' 94+' 14'#0 . ' "*' ,#" +**"#+*' '" . ' 4 . ' . +1: "2'" 94+' +-* -0(2+*2+' $"2'" '" ,# -' , "(0' 0110# '" . ' '"##+'/0'" +' 0' #0' "' -0#(," * 94+

0 "# . 0 0'1",$020 -"* +8+#' ' "* 6 '" . "94" 4 . 048 1 0# ,0#0 " H &
3"13 . + -$" 20* -$+11 /+-' 0* - 0-$ *
K ;# /0# 0* '#+0 - ' - :0* 0 ,+-*0#(+8+#' $01 0* -0 '" - 3+#*0'0" 0Z
. 1 0#(+ ,"4,0# 0"* ,#" +**"#+* + 0"* ,0+* 0* +8,1 '0/"+* 94+ *0" 2+
'+#1" . "2" . ,"#$4-0*(10+* "#0 . 0* ;0*+* +#0 94+ +-1+-2+#0"* 1+30- 10# +*1' +2 1 ' "* -1 " ,0#0 0 -*$# '/0" ,# #00# 0(+#0 ,#"1 20 9401 *0" -+'+**0# +* + -2 *,+-*03+ * "* +* "#/"* + +*$ #041"* 2+ 1"2"* "* ,0+*(+ G+1" + 114*1#0/0" 2+ 1"2"* "* ,#" +**"#+* S
I U ,0#$+ -1 1410 *+< ?' * < : BI S 2 G " 0 '$"#< K 0* #/"+* 94+ 30" *+/4 # *+ /4#0 . "* " ,#", # " . +- -" 0 '" - 3+#*0# "4 0 #+ + # # 0 *40 0 . 1 0(0"* *+4* 0 . /"* "4 0"* *+-* '" - 2 *' ,41"*(" 94+ 3 0 "4 0G 0 -"* ,# . + #"* 0- -"*(F0 "43 - 2" 0* +8,1 '0/"+* 2+ *"0 #01 +(F0 #+'+;+-2" "* '" - *+1:"* 2+ *+4 ,0+(+ 0'" . ,0- :0-2" " 0" '0 . ,"(,0#0 3+# " $#0;01:" + " * -*$#4#0+-$"* 20 103"4#0 S

-"* $0 . ;+#0 " 5 , 4 ; 1 '02" + . ACV?(2+ 0-4+1 0* 20 130
$+ $#0;01:" 6 2 3 2 2" ' . ' ' - '" , 0#$+< K0 A Z '" - $+#0 4 . 0 ;#+3+ -"1 ' 0 2" 94+ " ,#" +**"# -+'+** $0 2+ 0G+# ,0#0 2 # / # 4 . 0 0410 I Z +8, " ' . "2" ," # 94+ " ,#" +**"# "4 0* . 0+* 2+3+ . 0G+# " ,# R . + #" +-* -" 20 1+ $4#0(F41/0-2" *+ 0''+ 103+ * "* +1+ . +-1"* 0'; 2"* ,"1" 3 *'" - 2+ 2+ 0*$ 1:"E 0 7 2 # /+ *+ 0"* 2 *' ,41"*(2" . +* . " . "2" 94" 0 > U 2+*$ -020 ,0#0 " +-* -" 2+ 1+ $4#0 '"##+-$+E 0 D U '" -1+ . 0 -*1#-'/0" 2020 0" ,#" +**"# ,0#0 " +-* -" 20 7 S +> S J #0 0 7 S ,0#1+ +*$0 2 3 2 20 + . 9402#"*(. 0#': 0-2" *+ 2" '" - :+' 2" ,0#0 " 2+* '" - :+' 2"E 0 > S ,0#$+ + 4 . 0 0 . "*$#0 20 #00-+ #0 ,"# 94+ '" - 3+ . OG+# 0 +24'0/ " -$+11+'$401 + . "#01 20* '#+0-/0* "4 0241$"* 94+ 0,#+- 2+ . H
. ACV6 ,4;1 '"4 " . +* . " 0-4+1 0* 20 130 4 . 0 : * , , D 2

ACVC " -"* . "*$#02" " *+/4 -$+ +*'# ,$"<
5 * * * * " : " "#
1+80-2#+ 4/4*$" 2+ 1 3+ #0
+'10#0 " 04'$"# 94+ 0$+-$"4 0G+# 4 . . + : "2" 2+ 1+ $4#0 $0" * . ,1+* + -0$4#01 94+ " 014 . -" ,"# +11+ 0,#+-2+**+ ;+ . ('" . ; ;#+3 202+ + *+ . 02 /0 S
3 2 4 0 : + - 3 -$+ + " $" 1 ';+*(2 1 /+-' 0-2" 2 *,"1 0* &

,"#ˢ "#.0ˢ 101ˢ 94+ˢ "ˢ 014.-"ˢ -0"ˢ +-'"-$#+ˢ 2 1 '41202+*(ˢ 0-$+*(ˢ '"-:+ˢ '+-2"ˢ "ˢ ,#",# "ˢ 02 0-$0.+-$"(ˢ 0':+ˢ ,#0G+#ˢ -"ˢ +*142"
*ˢ 3 -$+ˢ +ˢ " $"ˢ 1 '"+*ˢ *0"ˢ ,#+'+2 20*ˢ 2+ˢ -* ˢ ˢ ˢ ˢ ˢ
ˢ#+.010-2" 0*ˢ "ˢ 04'$"#ˢ '".ˢ 0ˢ +8,#+**0"ˢ 20ˢ +*,+#0-'0ˢ 2+ˢ 94+ˢ :0 2+ˢ *+#ˢ 30-10F"*"ˢ "ˢ *+4ˢ .+1:"2"ˢ ,0#0ˢ "ˢ + * -"ˢ 20*ˢ '#+0-/0*(ˢ 2*ˢ 940+*ˢ 2+*+F0ˢ ,"4,0#ˢ .4 $"ˢ $#0;01:"(ˢ .4 1"ˢ $+.,"(ˢ +ˢ -0"ˢ ,"4'0*ˢ 10/# .0*

ˢ* ˢ ˢ ˢ >

?ˢ .+$:"2"ˢ +ˢ "ˢ ."2"ˢ 2+ˢ ':+/0#ˢ 0ˢ 4#-ˢ .ˢ 940194+#ˢ ,+1"ˢ '0. -: ˢ .0 *ˢ *+/4#"ˢ +ˢ #00 *ˢ 2 #+'$"Eˢ +ˢ 0ˢ "#2+.ˢ *+/4-2"ˢ 0ˢ 9401ˢ *".*ˢ ";# /0ˢ 2"*ˢ 0ˢ 2 *,"#ˢ "*ˢ -"**"*ˢ ,+-*0.+-$"*ˢ "4ˢ 0*ˢ -"**0*ˢ 0''"+*ˢ -"ˢ *+-$ 2"ˢ 2+ˢ '"-' 1 0#ˢ 0ˢ +'"-".0ˢ 2+ˢ $+.,"ˢ '".ˢ "ˢ -$+#+**+ˢ 20ˢ 3+#202+(ˢ 940-2"ˢ 0,#+-2+."*ˢ 4.0ˢ '"4*0ˢ "4ˢ 0ˢ +-* -0."*ˢ 0ˢ "4$#+.ˢ & '

+ˢ "*ˢ .+$:"2"*ˢ *0"ˢ 1"-/"*(ˢ .,+# + $"*ˢ +ˢ 0*$ 2 "*"*(ˢ 0ˢ -*$#4''0"ˢ +1+.+-$0#ˢ +ˢ .4 $"ˢ 2+."#020ˢ +ˢ -*411 ' +-$+ˢ & 5 ˢ ˢ 5 ˢ ˢ % ˢ EFMU

.ˢ .0$+# 0ˢ 2+ˢ .+$:"2"*ˢ - -/4+.ˢ *0;+ˢ 10-$"ˢ 94+ˢ -0"ˢ 14'#+ˢ +#0ˢ 0,#+-2+#ˢ "ˢ 94+ˢ +-* -0.ˢ "*ˢ :".+-*ˢ '"-*0/#02"*ˢ 0ˢ '04*0ˢ 2"ˢ ,#"/#+**"ˢ 20ˢ -*$#4''0"ˢ ,",410#ˢ &: ˢ ˢ GGˢ ˢ ˢ ˢ EFLM '

020ˢ 4.ˢ $+#-ˢ 0*ˢ *40*ˢ $#0'0*ˢ 2+ˢ 0' 1 $0#ˢ "ˢ +-* -"(ˢ +ˢ 0F420#ˢ "ˢ ,# ‖ ' , 0-$+ˢ -0*ˢ 2 1 '41202+*ˢ & ˢ ˢ ˢ # '

ˢ -2 *,+-*03+1ˢ 94+ˢ "ˢ .+*$#+ˢ 2+ˢ .+- -"*ˢ $+-:0ˢ 0 /-+.ˢ 94+ˢ :+ˢ 2+ˢ -"$ ' 0ˢ 2"*ˢ -"3"*ˢ .+$:"2"*ˢ 2+ˢ +-* -"ˢ "#ˢ 94+ˢ "*ˢ .+$:"2"*ˢ *0"ˢ 10"ˢ .,"#10-$+*(ˢ 94+(ˢ *+.ˢ +11+*(ˢ -0"ˢ :0ˢ -*$#4''0"ˢ ,# .0# 0ˢ ,#" '40ˢ +ˢ ,#"R /#+** 30ˢ & ˢ ˢ 6 ˢ : '

.ˢ .+$:"2"ˢ +ˢ 0,+-0*ˢ 4.ˢ -*$#4.+-$"(ˢ 2+ˢ *ˢ .,0** 3+1<ˢ "ˢ +**+-ˢ ' 01ˢ +ˢ *0;+#ˢ +.,#+/01 "ˢ &/ˢ ˢ ˢ : '

+#. -0#+."*ˢ +*$+ˢ '0, $41"ˢ #+'"#20-2" -"*ˢ 2"ˢ 94+ˢ +-'"-$#0."*ˢ -0ˢ ˢ 2+ˢ 4.0ˢ 4-$0ˢ +#01ˢ 2+ˢ *$# '$"(ˢ 0ˢ #+*,+ $"ˢ 2+ˢ .+$1 "2"*ˢ 2+ˢ +-* -"
#0ˢ IWˢ 2+ˢ .0#'"ˢ 2+ˢ ACD7ˢ 2 G 0ˢ 0ˢ --$0ˢ 2+ˢ +#01ˢ 2"ˢ *1# '$"ˢ 2"ˢ "#$"(ˢ ,"#ˢ "''0* 0"ˢ 2+ˢ +-'0#+'+#ˢ 0ˢ .,#+$+# 3+1ˢ -+'+** 202+ˢ 20ˢ #+ "##00ˢ 20ˢ -*$#4''0"ˢ ,# .0# 0<
Yˢ 03 2+Gˢ '".ˢ 94+ˢ "*ˢ ,"3"*ˢ 0 14+#0ˢ 0"ˢ -"3"ˢ *N*$+.0ˢ ':0.02"

' ' * ' B 4#-' * / -0[-*1 - '1 3"' 2+' 94+' -$ 0' '"- 0 . ' -"*'
" 1#"*' . +*1#+*(+' #+'+ ;+# 0 . ' '" . ' /#01 20"' 2"' / "3+#-"' 2+' 3"**0' . 0 '
/+*102+' 4 . 0' #+ "# . 0' #02 '0[' "#0"' *+' ,#+' *0' *" ;#+' +*$+' ";F+'12 -

/ ' / ' '

?' . *+4'F, - - ' ,0[' 2"' "#$"(,#", # +202+' +8'14* 30' 20' #+*, +'1 30'
'0 . 0#0(" ' ,"# +110' 029 # 2"' -"' 0- -"' 2+' ACD?(,+1"' ,#+'"' 2+' 2+G+-"3+'
' "-1"*' 2+' #+ *

?' . ,*+-' 1 - :0' * 2"' 4-202"' ,+1"' * ;2 $"' ;# $0- - '"("0"' 11+-(
-0*' 2"' + .' 0- -0' 2"' - :"(+' #+* 2+-1+' -0' ' 202+' 2"' "#$"' 2+*2+' 0
40' 02"1+'+- ' 0

' -"1"# "' 94+' "' 114*$#+' 4-202"# -0"' ,"-, 0#0' 2 1 / ' - ' 0*(-+ . ' 2+* '
,+G0*("4' F0' -0*' *40*' -4 . +#"*0*' 3 0/+-*("4' F0' -0' ' 202+' "-2+' #+* 2 0(
, 0#0' # "# . 0 - 2"(+' 04/ . +-$0-2"' 2+' 2 0' +#0' 2 0("' ,#+' "*"' ,+'41 "' 2+'
";F+'1"*' #0#"*(,#+' "*"*(+' -$+#+**0-1+*' -"*' 2 3+#*"*' #0 . "*' 20*' ;+110*'
0#1+*' +' 0-1 /4 202+*

"/"' 3+#+ . "*' 0' # 94+G0' 20*' *40*' '"11+' "+*E 0/"#0' '4 . ,#+ -"*' : * '
$"# 0# "' . "2"' ,"# 94+' *+' $"#-"4' ,#", # +202+' 20' '0 . 0#0' . 4 - ' ,0[' 2"'
"#$"' ' 4*+4' 11+-(+' 9@ 0[+' :"F+' "' *N*$+ . 0' 2+' 02 . - *$#0'0"' 2+' 4 . '
+*$0 ;+1+' . +-$"' $0"' . ,"#$0-$+

) 40-2"' 011+'+4' "' 4-202"# +' ,#", # +$0# "' 2"' . 4*+4(. 0-2" ' "'
'"-*+1:"' 2+' 0 . 1 0' ,#"'+2+# 2 0301 0/0"' 2;+11+(+' 1"/"' 2 3+-20' $+*, + '
'$ 30' " ' +-$ "' 94+' 0' '0 . 0#0' . 4 - ' ,0[' 2"' "#$"("#$+ . +-$+' -' 1020'
, '10' ", - 0"' ,4 ;1 '0($+3+' 0' +1 G 1+ . ;#0-+0' 2+' 0G+# 4 . 0' 0'94 * /0"(94+'
$0"' 4$ 1' 3 # 0' 0 *+# ,0#0' "' 2+*+-3"13 . +- "' +' ,#"/#+**+*' 20*' ;+110*' 0#R
1+*' +' 2+' "4$#"*' #0 . "*' 2"*' '"- :+' . +-$"*' :4 . 0-"*(+' $0"' ;# 1 : 0-$+ . +-1+'
02"#-030' 0' *+/4-20' ' 202+' 2"' #+ -"

?' . 4*+) ' '"4' -1+# -0 . +-$+' -0' '0*0' +#0' 9 4+' +*$030(0' 9401(1+-2"'
* 2"' '"-*1#4 20' + . ' AC7C(F2' +#0' ,+94+-0' #0' 0' ' "#0 . "20# 0' ;+ . ' "#2+ '
-020' ' "11" '0'0"' 2"*' ";F+'1"*' 2+' 0#$+' +' 0-1 /4 202+*' -20' :"F+(+' -0"'
";*$0-$+' ,+#1+-'+# "' . 4*+4' 2 '0 . 0#0(+*12' $ 11+' '"11" '02"' -0' . +* . 0'
'0*0E *+-2"' . 4 1"' ,0#0' 10 . +-$0# 94+' 0' 114*$#+' ' "#, "#0 0"' . - - ' ,0F
-0"' : 0F' ," 2 2"' '"-*0/#0# ,0#0' 4 . ' $0"' . ,"#$0-$+' 2+*$ -+' 4 . ' +2 11' "'
0**0G 30*$"(+' '"-3+- +-1+ . +-$+' #+, 0#$ 2" ' . ' . 4*+4' 2+' $0["#2+#0' 2+'
. 0-20' 10#/4+G0' 2+' +*, 0/"(+' 0' '" . . "20/"+*' +81+-*0*(-0"' *"' ,0#0' 0
N$+ . 0$ '0' +' 3 *1"*0' 2 *, "* /0"' 2"' 94+' F0' +8 *$+(*+-0"' $0 . ;+ . ' 2"' 94+

+ 30+ 0294 # -2" -" 2+'4#" 2" $+ . ," #0G0 0"* '+"* 94+ + . ; ;#+3+ *+F0 ,"** 3+1 0 '0 . 0#0 . 4- ' ,01 2" "#$" #+01 *0# "* 2+*+F"*(94+ *+ . /#0-2+ +* "#/" 2+ #00/ -0/0" 2+3+ . "* 0$$# ;4 # 0 4 . ' '"#,"1 " 114* #02"

"##+ 0 02 . - *$#0/0" 2" +*$0;+1+' -+-1"('" . " + 2+ #0G "(,"# '"-$0 20 '0 . 0#0 ' *+/4 ,$+ -"$0 20 -"1 ' 0 2" ,+**"01 02 . - *1#01 3"(+ 20 2+*,+G0 20 . 0-4$+-/0" 2" . 4*+4<

#+'$"# 2" . 4*+4	#+ *
40#20	P
+*,+G0* 2" +8,+2 +-$+	P
14/4+# 20 '0*0	H

"$01 2;

4 . ,#+ '"- +**0# 94+ + *4 . . 0 . +-1+ #0"2+*$0 +'+'"-" . '0 0 02R . - *$#0/0" 2" . 4*+4E -+ ' 2+3+ . "* " . . $$ # 0 -"$ ' 0 2+ 94+ ,"# 01 /4-* 0--"* *+#3 4 /#01- $0 . +-$+ " *# 240#2" 4/4*1" 11+-(0 "; * +94 "* 202+ 2" 940 " . "* 2+3+2"#+* B:0 0--"* 2"* +*'10#+' . +-1"* 94+ "#0 0,#+*+-$0#0"*

2",$"4 *+ +8,+2 +-$+ 2+ *"11 ' $0# 2"* '"-*"1+* 2+ "#$4/01 + . 2 3+#*"* ,0 G+*(+ 20* 04'$"# 202+* ,"#$4/4+G0* -" 411#0 . 0#(0 #+ . +**0 2+ ";F+'$"* -$+#+**0-1+*('" . " *+-2" +*$+ " . + " 2+ # +-# 94+'+-2" ,"4'" +,"4'" . 4*+4

?' 4*+4 # $0-- '" +G 0" 2" "#$" 0 " +#$0 2+ '+-$" + $0-1"* 3"R 14 . +* 2+ . 0/- '"* '0101"/"*

?' +8 '"-*41 2+ "#$" +/#+(" *# . 0#01 ;+ #"(+ " ;0#0" 2+ 0*$+11" 2+ 0 30(+-3 0#0#0 0" . 4*+4 -$+#+**0-1+* '"11+'/"+*< " ,# . + #" 2" " #0-2+ 2" 41(+ " *+/4-2"(20 1:0 20 02+ #0 + 20* 0-0# 0*

?' . 4*+4 +*$0 ,0$+-$+ 0" ,4;1 '" + . ' $"2"* "* 2" . -/"*(2+*2+ 0* 2+G ;"#0* 20 . 0-:0 0$+ 0* $#+* 20 $0#2+(+ -0* 94 -$0* + #0*(2+*2+ 0* 2"G+ ;"#0* 0$+ 0* *+ *

0#0 "* 0#$ *$0* + +*$42 "*"* +*$,0$+-$+ " . 4*+4 -0* $+#/0*(940# $0*(*+810* + *0;02"*(2+*2+ 0* 2+G ;"#0* 0$+ 0 4 . 0 ;"#0 20 $0#2+(;+ . ' '" . " ,0#0 "* 3 * $0-$+* 2+ "#0 20 $+##0

?' $+# . " . +2 " 2+ 3 * $0-$+* + 2+ '+ . ' "-'"##+ . ' -"* 2 0* 2+ B#0 ' ;01;" 01/4-* +*$420-$+* 2+ , -$4#0(+ 0$+ 0#$ *$0*(0 '", 0# . "2+1"* 20 /01+# 0(0" 94+ ,0#+'+ . 0 * # '0 + +*'"1; 20 2" 94+ 0 20 '02+ . 0 20*

+110 #1+* 0 -;+ . 011 0'"2+ . +*$420-$+ 2+ *' '-' 0 -0$4#0+*('" . #0 2+ +80 . -0#+ . 0* '"11+'/"+ '10** 0 20 9 + -0" +-'"-1#0#0 + . "4$#0 ,0#$+

?* *# 240#2" 11+- 1+ . $"#-02" 0 *40 '"-10(,"# 2+2 '0'0" G+1"GOH 20# -"1 ' 0 G""1"/ '0*(+ -4 - * . 01 '0 0 940194+# 3 * $0-$+ 94+ 0 2+ *+F0 "4 ,+2'(

0" ";#0 2" . +* . " 2 #+'$"# "* *+/4 -1+ +*'# ,1"*<

: $ * " 5 2

"#$"(AC77

" . +*$0 + , /#0,1 +<

X ,# " 2 +0 106 *0 $ +,% 0

)) #& % &' 1 + &

#1 *&$0)(0

;

5+*$+ '0$01"/" 3+ . " 94+ 02 0-$+ :03+ . "* 2+ #+/ *$+#(+ ;+11 0** . *+ +-'"-$#0 0 2+*'# , '0" 20 , -$4#0 +8 *1+ $+ -" . 4R *+4('" . $ $41" 2+ ; " 5

* 094 4 . 0 0 . "*1#0 2+**0 2+*'# , /0"<

5 ", 02" 2+ +#-+$,"# + #0 "#14+-*+ -'0-102"#0 3 *$0 2+ . 0# F4-$" 0 '"*$0 2+ 0 , "1+*< 30# "* +*'0R 2"#+* + . 411 +#+*(-" , $1"#+*'" #0F+ 2" ,0 G(+*$0" 3+-2" "* ;0#'"* 94+ ,+10 $0#2+ *+ 3+ . 0 ,#"8 #00-2" 20 ,#0 0

1042 " "*+ +#-+$ -0*'+4 + . 3 /-"-+ . AVA>(. "##+-+ . AVCW(2 *' ,41" 2" o4'0$+11 + . " . 0 24#0-$+3 -$+ 0--"* ?,# . ' #" , -1"# 2" . 4-2" + . . 0# -:0* +,#"24G 0 '" . 0 . 0 * ;+110 3+#202+ + . 0 3 / 0 "* 2 +#+-$+* 0*,+'$"* 20 -0$4#+G0(*+/4-2" 0* ;"#0* 2" 2 0 + *+ /4-2" +*$02" #0 94 11" "4 0/ 102" 20 01 . "*,1 +#0 " ,0+ 2" '+1+ ;#+ # "#0'1" +#-+$(94+ *+ . ."#101 *"4 '" . 0 *40 ;+110 *+# + 20* 3 R '$"# 0* 2+ 0,"1+0"(94+ , - "- -" ,010' 2+ +#*0 11+* 0--"(16 (7>7 P

< * * B -*0 " 2+*'# ,$ 3+ + $08"-" . '" 2+ 4 . 0- . 01'41+ * -/410#(:0 , "4'" 2+*'";+#$" -0* . #0+ 2 0/"+* 2" "#$"(+ 94+ ,0#+'+ -+2 $" ("#$"Z AC7V

" * * * * * * * * = 6

ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ3ˢ ˢ ˢ ˢ ˢ
* ˢ ˢ4 ˢ Bˢ ˢ ˢ * ˢ ˢ ˢ * 2ˢ
ˢ ˢ ˢ 2 ˢ * ˢ ˢ ˢ 5 ˢ ˢ
ˢ J ˢ "#$"ˢ AC6I

.0ˢ "$03+1ˢ +ˢ ,#+' "*0ˢ 30-$0/+ .ˢ $+#-ˢ ,#"24G 2"ˢ +*$+ˢ ;+11"ˢ +*$0;+ˢ 1+' .+-1"(ˢ +ˢ 3+ -ˢ 0ˢ *+#(ˢ 0ˢ 2+ˢ 2+*,+#$0#ˢ +ˢ - 14 #ˢ "ˢ /"*$"ˢ 20*ˢ ;+110*ˢ 0-R $+*(ˢ 20ˢ 0#':+"1"/ 0(ˢ +ˢ 20*ˢ *' +-' 0*ˢ -0$0#0+*ˢ ˢ ,#"30ˢ 25+*1+ˢ 0'$"ˢ +*10ˢ +#0ˢ 9 +(ˢ -0ˢ ' 202+ˢ 2"ˢ "#$"(ˢ :0ˢ ,0#0ˢ .0 *ˢ 2+ˢ D?ˢ '"11+'/"+*ˢ ,0#$ ' 10#+*ˢ 25094+110*ˢ -$+#+**0-$ ** #00*ˢ '*,+' 01 202+*

-20ˢ " 1#0ˢ 3+Gˢ +8,# . 5+ . "*ˢ "*ˢ 0#2+-$+*ˢ 3"$"*ˢ 94+ˢ 0G+#0"*(ˢ ,0#0ˢ 9-+ˢ 0ˢ '0.0#0ˢ .4- ' ,01ˢ 2"ˢ "#$"ˢ *+F0#0ˢ ,#","#' "-02"*ˢ "*ˢ .+ "*ˢ 1+ˢ +1+30#ˢ 09-+11+ˢ +*$0;+1+' .+-1"ˢ 0"ˢ /#04ˢ 20ˢ ,#"*,+# 202+ˢ +ˢ +*,1+-2"#(ˢ 2+ˢ 9-+ˢ +ˢ *4*'+,1 3+1(ˢ 'ˢ 2+ˢ 94+ˢ *0"ˢ .+#'+2"#+*ˢ "*ˢ 11-*1#+*ˢ :0; 10 1+*ˢ 20ˢ ' 202+ˢ -3 '100

.0ˢ ;"0ˢ '0*0(ˢ +ˢ 4.0ˢ 2"$0/0"ˢ 030-$0F020 ˢ +*ˢ 0*ˢ -+'+** 202+*ˢ 0ˢ 94+ˢ +ˢ "#'0ˢ 0'42 #ˢ 940-$"ˢ 0-$+*ˢ -5+*$+ˢ ,0#$ '410#

0"ˢ 01$0ˢ 114*1#0 F0"(ˢ -0"ˢ 01$0ˢ ,0$# " * ."(ˢ -0"ˢ 01$0.ˢ *+-$.+-$"*ˢ /+-+#"*"*ˢ -0ˢ *+/4-20ˢ ' 202+ˢ 2"ˢ + -" ˢ " *ˢ ;+.(ˢ 3+-/0 *+ˢ 0ˢ -2"ˢ 1+-' 0(ˢ 94+ˢ $"2"*ˢ -"*ˢ ,"#$4/4+G+*ˢ $+ ."*(ˢ +ˢ 4#-ˢ 2 0ˢ #0 0#0(ˢ 0 "4$0.+-$+ˢ ˢ +*,+#0."*(ˢ +.ˢ 94+ˢ 0*ˢ +8 /+-' 0*ˢ 20ˢ ' 3 1 *0/0"ˢ +ˢ "ˢ ,4-2"-"#"*"ˢ ;# "ˢ 2+ˢ 4.0ˢ /#0-2+ˢ ' 202+ˢ :0"ˢ 2+ˢ *+#ˢ *0$ * + $"*ˢ '0;01.+-$+

#0$0-2" *+ˢ 2+ˢ 4#-ˢ +*$0;+1+' .+-1"ˢ 94+ˢ 0**4. 4ˢ "ˢ '0#0'1+#ˢ 2+ˢ ,4ˢ ;1 ' 202+ˢ -"*ˢ -*ˢ 2"ˢ #+ -02"ˢ 20ˢ *+-:"#0ˢ ˢ 0#0ˢ (ˢ +ˢ -2 *,+-*03+1ˢ " +#+'+#ˢ 0"*ˢ 1+ $"#+*ˢ "*ˢ +*'10#+' #0+-1"*ˢ 94+ˢ $"#-+.ˢ ;+.ˢ 3 * 3+ *ˢ 0*ˢ + ˢ "+*ˢ 2"ˢ .4*+4ˢ .4- ' ,01ˢ -"*ˢ 0--"*ˢ 2+ˢ ACDIˢ +ˢ ACD7

+-:4#0ˢ +1+#0+-$"ˢ 2+ˢ - "#.0/0"ˢ ,62+ˢ 10-/0#ˢ #00 "#ˢ 14Gˢ *";#+ˢ "ˢ 0**4.,$"(ˢ 2"ˢ 94+ˢ "ˢ #+/410#0+-1"ˢ 94+ˢ "ˢ 2 #+'$"#ˢ ,#","Gˢ +ˢ 0ˢ '0.0#0ˢ .4R - ' ,01ˢ 2"ˢ "#$"ˢ 0,,#"3"4(ˢ +ˢ .0-2"4ˢ ,"#ˢ +.ˢ 3 /"#ˢ -0ˢ *+**0"ˢ 2+ˢ IVˢ 2+ˢ "4$4;#"ˢ 2+ˢ ACDI

+F0ˢ 9401ˢ "#ˢ "ˢ 2+*+-3"13 .+-$"ˢ 94+ˢ 0ˢ 1"2"*ˢ "*ˢ #+*,+ $"*ˢ ,"**0ˢ 3 #ˢ 0ˢ $+#ˢ "ˢ .4*+4(ˢ *+#0ˢ *+.,#+ˢ 2+ˢ #+'"-:+' 2"ˢ -$+#+**+(ˢ "4ˢ 0-$+*ˢ -R 2 *,+-*03+1(ˢ ,"**4 #ˢ ˢ '"-:+' .+-$"ˢ 2"ˢ 94+ˢ " ˢ +**+ˢ -*$ 14$"ˢ -"ˢ *+4ˢ '".+/"ˢ 2+ˢ 02. - *$#0/0"ˢ .4- ' ,01

+F0."*(ˢ ," *(ˢ "ˢ -2 '02"ˢ #+/410.+-$"

#$ˢ 1 Uˢ ?ˢ -"3"ˢ .4*+4ˢ ,"#$4+-*+(ˢ ,#",# +202+ˢ +8'14* 30ˢ 2"ˢ .4- ˢ ' , "(ˢ 6ˢ 2+*$ -02"ˢ -0"ˢ *"ˢ 0ˢ *+#3 #ˢ 2+ˢ #+'#+ "ˢ 0"*ˢ :0; $0-$+*ˢ 2"ˢ "#$"(ˢ .0*ˢ 0ˢ ,#" ."3+#ˢ "ˢ .0 *ˢ ,"** 3+1ˢ +.ˢ $"2"ˢ "ˢ ,0 G(ˢ ,"#ˢ .+ "ˢ 20*ˢ 2 3+#ˢ *0*ˢ '"11+'/"+*ˢ 94+ˢ +-'+##0ˢ "4ˢ 2+3+ˢ 3 #ˢ 0ˢ +-++##0#(ˢ 0ˢ '41$4#0ˢ +ˢ "ˢ "#&#+.

3"13 . + - $" 20* ; + 110* 0 - $ + *(*' + "' 0* - 0$4#0 + *(+ . + * . " 20* 0 - $ + * - 24*$ - 0 + *(94 + . 0 * 2 - + '$0 . + - $ + '" - '" - - + . , 0 - 0 " 04 / . + - 1" 20 - 94 + GO - 0 ' " - 01 (+ 4 #0 + 1"# - 0 - * + 4#0 + *$0 ; + 1 + ' . ' - $" 3 + - 202 + - 0 - + 1 + ' 3 1 * 02" - < * + 4 " ; F + '$" * + - 0 , "# $0 - $" + - 'N'1" , + 2 '"

- $ I U 02 . - *1 - 0 / 0" "4 / + - + - ' 0 2 + $"2"* "*$ - 0 ; 011 "* 2" . 4 * + 4 6 + - '0 - - + / 020 0 4#0 2 - + '$" - * " ; 0 04 '$"# 202 + 20 '0 . 0 - 0 + 2 + ; 0 8" 20 - * , + '/ 0" 2" - + * , + '$ 3" 3 + - + 02"#

- $ 7 U ? 2 - + '$" - * + - + * , "- *0 ; 1 *0 - 0 , 0 - 0 '" . 0 +8 U Z '0 . 0 - 0 , + 1"* " ; F + '$"* 94 + '" . , "+ " . 4*+4 (+ 2 + 94 + $ 3 + - $"#- 02" *"1 + . - + + +8 , 1 ' 10 . + - $ + '" - $0 1"/" 94 + 2"* . + * . "* 1 3 + - , 0 ** 02" 1 + ' ; "(; + - '" . " 20* ' ; 03 + * 2" +2 ' " +#0 94 + +*1 3 + - +#0 /40 - 202"*

+ ** OZ0 - + * , "- *0 ; 1 202 + 2" 2 - + '$" - + #0 940194 + - '0*" 2 + "#/0 . 0 "- ("4 2 + 2'1 + - "- 0/0" 2"* " ; F + '$"* , - "3 + - + - 1 + 2 + 0'0*"("4 - : + - + - 1 + 0 - 0$4 - + GO . + * . 0 2"* " ; F + '$"*(+ , "- " **" #0 , "** 3 + 1 2 + +3 $0 -

- $ > U * - + 10 "+* 2 + $"20 + *$0 - + , 0 - $ '0" '" . " " / "3 + - - " . 4 - R ' , 01 *+ - 0" '" - 24G 20* 2 + ; 0 8" 2" . + * . " , + 94 + " $ + . * 2" 0* 20 R ; 1 "$: + '0 4 ; 1 '0 20 ' 202 + (+ *$0 ; + 1 + ' . ' - $" 0 - 01 "/"< + "* '0*"* " . #0 * * "* - 5 + *$ + - + / 410 . + - $" / + - 01 *+ - 0" 2 + ' 2 2"* , + 1" 25094 + 110 '0*0

- $ D S ? 2 - + '$" - $ + - 2 0 *+4 '0 - / "<

] A S "- *+ - 30 - - " . + 1 : "- + *$02" , "** 3 + 1 "* "; F + '$"* 94 + '" . , "+ . * . 4*+4 (+ 2 + 94 + $ 3 + - $"#- 02" '" - $0

I S *, 61 "* + '""- 2 + - 01 "* . + 1 : "2 '0 . + - $ + (2 + #00 - + - 0 - 0" *" 0 , - "2 G - " . + 1 : "- + + $" 2 + 3 * $0 , "** 3 + 1 (+ 0 , "2" - + #0 *+ - '" - 3 + - + - $ + . + - $ + / "*02"* , + 1" , 4 ; 1 '" + . * 40* 3 *$0*(. 0* $0 . ; + #0 0 , " 2 + - + . * + - + *$ 202"* '" . * '"#0 . "2 202 + + - 4 '$" , + 1"* , 0 - 1 '410 - + * + '" - 304$0/ + . , 0 - 0 0 *' + - ' 0 + 0 - $ + * + . * /+ - 01

7 S "- - 00 - (+ $ + - *+ . , - + + . 2 0 ("* '0$01"/"* 2 + $"20* 0* - + , 0 - $ '"+* 2" . 4*+4 < - + 2 / 2"* 2" . "2" 94 + - 0" *" , "**0 . , - + *10 - 01 /4 . - $ + - + **+ 0"* , + - $"* + 0#002"- + * 2 + '020 4#0 25 + **+* - 0#0"*(. 0* + *$ + F0 . 0" 01'0 - '+ 20 . 0 "- 0 2"* 3 * $0 - $ + *

> S *$0 ; + 1 + '+ - 4 . 0 '" - - + *, "- 2 + - ' 0 - + / 410 - '" . "* "4$#"* + * $0 ; + 1 + ' . + - $"* 25 + *$ + /+ - + - " - " , 0 G + " - 0 25 + 11 + (0 . 2 + $"2"* , " 2 + - + #0 0 , - "3 + 10 - (, 0 - 0 . 4$4" 04 / . + - $"(, - - ' , " , - 01 '" 20 K$ - "'0 2 + 24 , 1 '02"* (: "F + /+ - 01 . + - $ + 02" , $02"

+ - : 4 . 0 01 : + 0'0" 2 + ; F + ' "* 2" . 4*Z+4 , "2 + - 2 $ + - 1"/0 - (, "# 3 + - 20 ($ - "'0 ("4 "4$ - " 940194 + - . "2"(*+ . 0 04 '1"- *0/0" +8 , - + **0 20 '0 . 0 - 0 B + *, + ' '0 - 2" '020 4 . 2"* " ; F + '$"* 01 + - 0 - 2"* < + + **0 04 '$" - *0'0" *+ - 2 *+ . , - + , - + '+2 20 2 + + , - ", "*$0 2" 2 - + '$" - (+ - 4 - '0 '" - '+ 2 20 *+ . , + 3 0 042 + - ' 0 + + - "- . + 0 - . 01 3" 2 + + 4#0 '" - *+1 : " 2 + 940$ - " , + - $"* B ' " . , + $ + - $ + * - 0 + *, + ' 01 202 + 2"* - + *, + '$ 3"* / ; F + '$"* (

-" . +02"*' ' 2" *' ,+10' +8ZfS '0 . 0#0' +' 2" *' ,+1"' 2 #+'$"#(+' 0G+-2"' $0 . ;+ . ' ,0#$+' 2"' . +* . "' '"-*+1:"' "*' 2 #+'1"#+*' 20' ;1 "$:+'0' ;1 '0' +' 2"' . 4*+4(+' ,#+* 2 -2" "' "' 3+#+02"# +-'0##+/02"' 20' 4*,+')0"' ?' #+ +' # 2"' ,0#+'+# *+#0' *+ . ,#+' #0"$ 302"

D' U #" . "3+# "' +*$0;+1+' . +-$"' 2+' \#+10/"+*' +-$#+' "' . 4*+4(+' 0*' *"' +202+*' *' +-$)'0*' "4' 0#1 *$ '0*' 2"' #+ -"E '" . ' 6*' '"-*41+*' ,"#$4 ' /4+G+*' -0*' 2 1 +#+-$+*' -0/"+*(+' '" . ' 940+*94+# "41#0*' ,+**"0*' 2+' '4F0' ,"*)0"' +' ,0$# "$ * . "' *+' ,"**0' +*,+#0# 01/4#00' '"",+#0'0"' ,0#0' "' +-' # 94+' . +-$"' 20*' '"11+')4+*' 2"' . 4*+4

] 6 L' #" . "3+# ,"1"*' . + "*' 94+' *+' '"*$4 . 0 . ' 4*0# -5+*$+*' +*$0 ; ;+1+' . +-$"*' "*' 2"-0$ 3"*' 2+' ,0#1 '410#+*' 94+' ,"**40 . ' '4# "* 202+*' "4' '"11+'';+*

+-:4 . 0\2"0'0"' *+#0' 0''+ $0' ,+1"' . 4*+4(94+' -0"' *+F0' " $0' K*+ . ' '"-2 '0"Z' "4' '" . "' + . ' 2 #+ $"' *+' ':0 . 0' K,4#0H'

' VS #" . "3+# +*,+' 01 . +-$+' "' 2+*+-3"13 . +-$"' 20' '"11+'/0"' #+' 10$ 30' 0" . ,"#$0-$+' #04 "' 20' . -+#01"/ 0(94+' ,#" . '$$+' *+# $#0-*'+-' 2+-$+' ,0#0' "' 4$4#"' +'"-" . '"' 20' -"**0' $+##0E #0 . "' 94+' 0,+-0*' *+' 0':0' +-'+$02"' -"' 0'$401' /0; -+$+' '" . ,#02"

] CS #" . "3+# 0' '#+0/0"' 2+' -"30*' '"11''/"+*' ,0#0' 0G+#+ . ' ,0#$+' 2\+*$+' . 4*+4E $0-$0*' 940-$0*' *+' ,"2+#+ . ' "# . 0# *";#+' 1"20*' 0*' +*,+' 0' 1 202+*' 94+' -$+#+**0#+ . ' "*' ,#+' $02"*' -*' 2"' . 4*+4E +-$#+' "4$#0*E

. 0' /01+# 0' 2+' +*'41,$4#0' 0' ' -G+1

#-' /0; -+$+' 2+' ,:N* '0' +' 10;"#0$"# "' ': . '"

. 0' '"11+'/0"' ,:N$"1"/ '0E +' +. ' +*,+' 01' 0' 1"#0' ,"#14/4+G0' +' 2+' $"20*' 0*' -"**0*' ,"**+**"+*E

#00' '"11+'/0"(20*' . 0': -0*' +. ,#+/020*' -0' 0/# '41$4#0(94+' . +' 11 "#+*' #+*4110 2"*' $+ . ' ,#"24G 2"(9-+# +. ' "#$4/01' 94+# -0*' #+/ "+*' 0/# '"10*' 2+' . 0*' *+. +1:0-/0' '" . ' 0*' *40*<' +' "4$#0' 20*' . 0': -0*' . 0*' . ,"#$0-$+*' ,0#0' 0' -24*$# 0' 0;# ;2"' ,0 G<

. 0' '"11+'/0"' 2+' $"2"*' "*' ,#"24'$"*' -0$4#0+*' +' 0#1 ' 0+*' 2,' #+ -"' +' *40*' ,"**+**"+*' $"20*(2 *$# ;4 2"*' +' '"11"'02"*' 940-$"' ,"** 3+1' 2+' . "2"' 0' 0G+# ,+#'+;+#(-"*' ,# . + #"*' 0' "#/0' ,#"24'1 30' 20*' 1"+01 20' 2+*(-"*' *+/4-2"*' $42"' "' 94HX 2 G' #+*,+ $"' 0' "# /+#0(*4''+** 3+' 2+*+-R 3"13 . +-$"' +' ,#"/#+**"' ,"# 94+' ,0**0#0#0E +' 0' *4//+# # $013+G' 0' 01/4#0' '4# "*"' 3 * $0-$+' "4' -$+#+**02"' +1 G+*' 2+0*' 2+' 4$4#+*' #0+11 "#0#0+-' $"*

+/4 -2"' -54#00' ,0103#0' 0' /#0-2+' +*$#020' 94+' '" . ' 14 . -"*"' 0':"' 0+0;0' 2+' $#0/0# 0' $"20' :4 . 0- 202+' 0' #0' #+$0-1 0(-5+*10' ;+110' +' $1"' /#0-2 "*0#0+-$+' #+01 *020' 2+0' 20' +8,"* /0"' 4- 3+#*01< 01/4 . 0*' 2+' '4F0*' 30-$0/+-*' +' #+*41$02"*' ,0#$ '410#+*' +4 . ,#+' 0' '020' -0/0"' ' 3 1 *020' 0'

'1 . 0# +#0 * < + 9 + F0 1+ . "* 0 "#14-0 2+ 3+# +-8'#$020* +-$#+ -"*(
'"- ' 1"20* 0* 0, ,0#+-' 0* 2" . 0 * ,#"*,+#" * ''+**"(,+10 ,01# "1 '0 +
+#0 -+-$+ .+-$+ 114*1#020 0'1 3 202+ 2" *# N#+* 2+ 0
' W * *'10#+'+# + *+ . ,#+ 03 *0# 0 +8(f` '0 . 0#0(9 0-2" 1 3+# -"Z
1 ' 0(2+ 01/4 . 0 "''0* 0" 2+ *+ 0294 # #+ . " ";F+'$"* 94+ -$+#+**+#0 "
. 4*+4

4 . ,# # 1:+ :0 4-20 .+-$0# *+ . ,#+ " 03 *" '" . ' 0 *40 ", - 0" ' # '
'4 . *$0-' 020 2'+#'0 20* #+*,+'1 30* '4# "* 202+*(+ $0 . ;+ . ' 20 " , , "# '
$4- 202+ 20 0'9$ * '0"

]' A? U #", "# 0 +8 pf '0 . 0#0 '" . ' $"20 0 -*$0-' 0 142" 940-$"
:+ "''"##+# 0 ;+ . ' 2" . 4*+4(+ +*,+' 01 . +-1+ 0'+#'0 2"* 2" * . ,"# '
10-$+* ,"-$"* *+/4 -1+*(+ . ' "* 2+ "* '"-*+/4 #<

A ' U "-*1#4''0" 2+ 4#- +2 2" ,#", # " ,0#0 #''+;+#5" 0'$401 . 4R
*+4 + *40* 414#0* 0''+**"+*

I ' U #+0/0" 2+ 4#- 4-2" 2+*1 02" 0" 04/ .+-1" ,#"/#+ K* 3" 2"
. *+4(,"# .+ " 2+ '" . ,#0*(+ 2+ ,#+ . "* + . ' '"-'4#*"* 2" 0#1 *10*(
+$' ' +$'

' U +94 * $0# 20 +8 pf '0 . 0#0(,"# -$+# . +2 " 2" #+*,+'$ 3+
01 pU 3+#+02"# +-'0##+/02" 20 -*,+'/7" 2" . 4*+4($42" 940-$" "# . *R
$+# ,0#0 0 '"-*+#30/0" 2"* ";F''1"* "-' +2 ' "*(+ 940-$" "# #+'10 -02"
,"1" *+#3 /" + ;" . ' 0-20 . '-1" 20 #+,0#1 / "

]' AI U 0G+#('"- "# . + F41/0# . 0 * '"-3+- +-$+(,"#+ . ' 2+;0 8"
25+*$0* ;0*+* + -" *+-1 2" 25+*1+ #+/ . +-$" /+#01("* #+/410 . +-1"* +* '
,+' 0+* #+101 3"* 0" *+#3 /" , **"01 2"* + . ,#+/02"* 2" +*$0;+1+' '
. +-$"(0* 3 * $0* 2" ,4;1 '"(+80 . + 2"* +*$42 "*"*(+ 0 $42" " 94+
#+*,+ $0# 0 "#/0- *0/0" -$+#-0 + . 0#' :0 94"$ 2 0,0 2" . 4*+4

#$ ' 6 U ?' 2 #+'$"# *+#D 0 8 1 02" + . ' *40* 4-+/;+* ,"# . 0 * 2" *
+ . ,#+/02"* -5+*$0 #+,0#1 / " 0 *0;+#<

. ' '"-$ -4" + 4#- ,"#1+ #"

' 1 U ' -" . +0/0" 25+*1'* + . ,#+/02"* *+#0 + $0 ,+10 +8(pf '0 . 0#0(
,"# ,#", "*$0 2" 2 #+'$"# 2+*2+ 94+ +*$+ "# #+*, "-*03+1 ,+1"* ";F+'$"*
2" . 4*+4

' I U ?' '"-$ -4" ,"2+#0 *+# 4 . ' 2"* '; -$ -4"* 20 +8 pf '0 . 0#2(*+
01/4 . " # ,#", "*$" ,+1" 2 #+'$"# B#+*, "-*03/1

]' 7 L + "# 01/4-* 2"* '"-1 -4"* 20 '0 . 0#0 ,#", "*$" + -" . +0 '
2" ,0#0 " 2 1" + . ,#+/" 2+ '"-$ -4" 2" . 4*+4(*+#0 2 *,+-*02" 2+ $"2"
' . 0 * *+#3 /" -"* 2 0* + . ' 94+ 1 3+# 2+ *+#3 # -" . 4*+4< + 3+-++# '
+ . ' '" . ,+-*0/0" 2" 04/ .+-1" 2+ $#0;01:" 2 0# "(94+ ,"# "#0 1+0 0# '
; $#02" + . ' A6?' #+ *

' > U + ' '",$ -4" -0" "# +*'"1: 2" 25+-$#+ "* '"-$ -4+* 20 '0

. 0#0(. 0* "# +8'14* 3"5 2"5 . 4*+4($+# ' "5 3+-' . +-$"5 94"5 $+. ' "* 2 "* '" 1 -4"*

]' DS ?' ,"#$+ #"5 *+#2' 4 . ' + . ,#+/42"5 +8'14* 3"5 2"5 . 4*+4

]' 6S ?' ,"#$+ #"5 3+-'+#0' -$+# -0 . +-$+' "5 "#2+-02"5 2+' I>?' #+ * 2 0R # +*

' VS *$+* + . ,#+/02"* *0"5 #+*,"-*03+ * ,0#0' '" . ' "5 2 #+'$"#

#$' VS ?' . 4*+4' +*10#0' ,0$+-1+' 0"5 ,4;1 '"5 0"5 . +-"* 4 . 0' 3+G '020' *+ . 0-0(24#0-$+' 0"5 . +-"* >' ;"#0*

' '0' ,#"3 *"# 0 . 0-$+' . 0#'02"5 "5 2" . -/"5 2+' '020' *+ . 0-0' ,0#0' 0' #+ +# 20' +-$#020' 2"5 ,4;1 '"5 3 * 10-$+

#$' CS +1"5 . +-"* 24#0-$+' $#+* 2 0* '020' *+ . 0-0(+' $#+* ;"R #0* '020' 4 . ' 2+*$+* 2 0*(*+#0' 0'41$020' 0' +-$#020(";*+#30/0"(+' +* ' $42"5 2"5 . 4*+4' 0* ,+**"0* +*$42 "*0* 94+' 94 G+#+ . ' 0^ #"3+ $0# *+' 2"5 +80 . +' 2+' *40* '4# "* 202+* *' +-$ '0*("4' '", 0#' "* *+4* . "2+1"* 0#' $ *$ '"*

' AS "-3 -2"5 94+' -+**+* 2 0* #+*+#302"* 0"5 +*$42"5 -0"5 *+F0 . ' ,+#$4#;020* 0* ,+**"0* 94+' *+' + . ,#+/0#+ . ' -+11+(- "5 *+#0"5 02 . 11 2"* "* 3 * $0-$+* * . ,1+* . +-$+' '4# "*"*E *013"5 *+-2"5 ,+**"0* 2"5 "#0' 2"5 2 *$# '$"5 02 . - *$#01 3"5 2"5 "#$"($0-$"5 -0' "-0+* '"#-"5 +*$#0-/+ #"*(94+' . "*$#0#+ . ' -0"5 ,"2+#+#0' 2+ . "#0# *+' -+*$0' ' 202+

]' IS ' +-$#020' -"* #+ +# 2"* 2 0* $+#0' 1"/0# ,"# . + "5 2+' K;1:+ ' $+* 2+' 02 . **0"Q ,#+3 0 . +-$+' ";$ 2"* 2"5 2 #+'$"#< +' +*$+* ,"2+#0"(*+/4-2"5 -2 '0#+ . (301+# ,0#0' 4 . 0' *"5 3+G("4' ,0#0' $"2"* "* 2 0* 2+' 0;+#$4#0' 24#0-$+' 4 . ' ,#0G"5 94+' -4-'0' +8'+2+# ' 0' 4#-' . +G(,"2+-2"5 B;+ . ' +-$+-2 2" ' *+# #+-"302"* -"5 #0' 2+11+

]' 7S ?' 2 #+'$"#' '"-'+2+#0' "* #+ +# 2"* ;1:+$+* 2+' 02 . **0"5 0' $" ' 20* 0* ,+**"0* 94+' F4*$ '0#+#0' *+# "5 +*$42"5 +' -0"5 "5 #+'#+ "5 "4' * . R ,1+* '4# "* 202+' 0' *40' -$+-'0"5 -0' 3 * $0' 0"5 . 4*+4

' >S * ,#" +**"#+* 20* 0'02+ . 0* $+#0"5 +-$#020' #0-'0' -"5 . 4*+4' -"* 2 0* #+ +# 2"*(+' F4-$0 . +-1+' 094+11+* +*$420-$+* 20* #+*,+'$ 30* 04R 10* 2+' '020' 4#-' 94+' 1+30#+ . ' +#-' *40' '" . ,0-;0

' DS ' '020' +*$420-$+' 20* 2 $0* 0'02+ . 0* *+#>' ,0**02"(F4*$ ' '0-2"5 0' . 0$# '410("' ;1;+$+' 2+' 02 . **0"5 . +-*01 $"20* 0* 3+G+* 94+' "5 +8 / #

]' 6S ?' 2 #+'$"#(940-$"5 ,"** 3+1' 2+' 0' '"#2"5 '" . ' "* ,#" +**"#+* #+*,+'$ 3"*(2+* /-0#0' "* 2 0* +' 0* ;"#0* + . ' 94+' 0' +-$#020' 2"5 . 4*+4' *+#0' 0'41$020' ,0#0' "5 #+ +# 2"5 +*$42"(+' $" . 0# ' $"20* 0* ,#"3 2+-' 0* +' 2 *,"* /"+* -+'+**0# 0* ,0#0' 94+' +11+' $+-;0' 1"/0#' '" . ' 0' ,"** 3+1' '" . ' . "2 202+

#$' W(S ?' 2 #+'$"#' $+#0' 0' 0'41202+' 2+' 0G+#' *0 # 2"5 . 4*+4' "4' -+

/0#ˢ 0ˢ +- #020ˢ -"ˢ . +* . "(ˢ 0ˢ 9-019 +#ˢ -2 3 24"ˢ 94+ˢ 01ˢ $+-:0ˢ 01$02"ˢ 0"*ˢ #+/410 . +-$"*ˢ -$+#-"*ˢ 20ˢ '0*0ˢ "4ˢ 0"*ˢ 2+3+#+*ˢ 2+ˢ :" . + . ˢ ;+ . ˢ +24 ˢ '02"

#$ˢ A? Sˢ 03+#2ˢ -"ˢ . -*+4ˢ "*ˢ *+/4 -$+*ˢ 1 3#"*<

ˢ ˢ * J 3#"ˢ 2"*ˢ 3 * $0-$+*ˢ 2"ˢ . 4*+4Eˢ 94+ˢ *+ˢ #0"ˢ '"-3 202"*ˢ 0ˢ 0** /-0#ˢ -5+11+ˢ "*ˢ *+4*ˢ -" . +*

I ˢ Sˢ 3#"ˢ 2"ˢ #+/ *1"ˢ 2"*ˢ 2"-0$ 3+*(ˢ '" . ˢ "*ˢ -" . +*ˢ 2"*ˢ " +#+-$+*

7 ˢ Sˢ K 1;4 . ˢ 2"ˢ . 0*+-Hˢ + . ˢ 94+ˢ *+#0"ˢ 10-'020*Wˢ ,+1"*ˢ ,#",# "*ˢ 3 ˢ * $--$+*(ˢ 940+*94+#ˢ 1+ . ;#0-/0*ˢ "4ˢ *4//+*1"+*ˢ 0ˢ ;+ . ˢ 20ˢ '0*0(ˢ '" . ˢ 94+ˢ 9 + #0 . ˢ '"-'"##+#(ˢ "-ˢ . ,#"3 *"*ˢ 1 11+#0# "*ˢ -*, #02"*ˢ ,+10*ˢ '4# "* 20ˢ 2+*ˢ 2"ˢ . 4*+4Eˢ "ˢ 94+ˢ 142"ˢ 2+3+#ˢ *+#ˢ '" . ,+$+-1+ . +-$+ˢ 0,#"3+ 102"ˢ 940-2"ˢ "#ˢ ;''0* 0"

ˢ ˢ J >Sˢ *10$ *$ '0ˢ 2+*'# ,$ 3+ˢ +ˢ 0##0Zˢ G"020(ˢ *+ . 0-01(ˢ 2"*ˢ 3 * $0-$+*ˢ +ˢ +*$4 "*"*ˢ 94+ˢ $ 3+#+ . ˢ '"-'"## 2"ˢ 0"ˢ . 4*+4

Lˢ '$0*ˢ 20*ˢ 2+' *"+*ˢ $" . 020*ˢ -"*ˢ 2 3+#*"*ˢ ";F+'$"*ˢ 20ˢ 2 #+''0"ˢ 2"ˢ . 4*+4

#$ˢ >A Sˢ "W/"ˢ 94+ˢ "ˢ . +201:+ #"ˢ 94+ 0Gˢ ,0#$+ˢ 2"ˢ . 4*+4(ˢ "4ˢ 9401ˢ 94+#ˢ ";F+'$"ˢ 2+ˢ [/#0-2+ˢ 301"#ˢ -1# -*+'"(ˢ *+F0ˢ +-1#+/4+ˢ 0"ˢ 2 #+'$"#(ˢ 0ˢ +8 U Sˢ '0 . 0#0ˢ 0# ˢ '" . ˢ 94+ˢ *+F0ˢ ,"*$020ˢ 4 . 0ˢ /40#20ˢ . 1 10#(ˢ ,+1"ˢ . +R -4*ˢ 2+ˢ $#+*ˢ :" . +-*ˢ +ˢ 4-ˢ '0;"(ˢ >ˢ ,"#$0ˢ 2"ˢ . 4*+4(ˢ '" . ˢ #+*,"-*0; 1 ˢ 202+ˢ ,+10ˢ /40#20ˢ +ˢ 2+ +G0ˢ 20ˢ . +* . 0ˢ ,"#$0ˢ +ˢ 2+ˢ $"2"ˢ "ˢ +2 ' "ˢ + . ˢ '0*"ˢ 2+ˢ 0$094+ˢ "4ˢ 0#2 1

]ˢ A Sˢ . ˢ 940-$"ˢ -0"ˢ *+ˢ #+01 *0#ˢ "ˢ 2 *,"*$"ˢ -5+*$+ˢ 0#$ /"(ˢ 0ˢ +8 U[ˢ '0 . 0#0ˢ . 0-20#0ˢ /40#20#ˢ 0ˢ ,"#$0ˢ 2"ˢ +2 ' "ˢ . +-' "-02"ˢ -"ˢ . +*#0" 524ˢ #0-$+ˢ 0ˢ -"4$+(ˢ ,"#ˢ G+102"#+*ˢ . 4- ' ,0+*ˢ #+*,"-*03+ *ˢ ,"#ˢ $42"ˢ "ˢ 94+ˢ 0'"-$+'+#ˢ 24#0-$+ 0ˢ *40ˢ /40#20ˢ +ˢ 3 / 0

]ˢ I Sˢ " . +-$+ˢ + . ˢ 940-$"ˢ *+ˢ -0"ˢ #+01 *0#ˢ 094+110ˢ 2 $0ˢ 2 1,"* /0"(ˢ +*$0#>ˢ 24#0-$+ˢ "*ˢ 2 0*ˢ +ˢ ;"#0*ˢ + . ˢ 94+ˢ "ˢ . 4*+4ˢ *+ˢ 0':0#ˢ ,4;1 '"(ˢ 4#-ˢ G+$02"#ˢ . 4- ' ,01ˢ 2+ˢ /40#20ˢ >ˢ ,"#$0ˢ +8$+# "#ˢ 2"ˢ +*$0;+1+' . +-$"(ˢ 0ˢ . ˢ 2+ˢ ,#+*$0#ˢ "ˢ 0+'+**0# 2ˢ 048 1 "ˢ 0"*ˢ + . ,#+/02"*ˢ 2"ˢ . 4*+4< +ˢ 24#0-$+Wˢ +*$+ˢ *+#3 '+ˢ 2+3+#ˢ #+'+;+#ˢ +ˢ '4 . ,# #ˢ 0*ˢ "#2+-*ˢ 94+ˢ ,+1"*ˢ . +* . "*ˢ :+ˢ "#+ . ˢ 2020*ˢ #+10$ 30 . +-$+ˢ 0"ˢ . +* . "ˢ *+#3 '+

#$ˢ >I Sˢ ˢ +8 SZˢ '0 . 0#0ˢ 3 * $0#ˢ "ˢ . 4*+4ˢ +-ˢ '"#,"#0/0"ˢ 240*ˢ 3+G+*ˢ ,+1"ˢ . +-4*ˢ 24#0-$+ˢ *+4ˢ ; +-- "< +ˢ "ˢ 3+#+02"#ˢ +-'0##+/02"ˢ 20ˢ -*ˢ ,+''0"(ˢ $"20*ˢ 0*ˢ 3+G+*ˢ 94+ˢ :+ˢ "#ˢ ,"** 3+1(ˢ +ˢ "ˢ . 0$*ˢ #+94+-$+*(ˢ -4-'0ˢ . +-"*ˢ 2+ˢ 4 . 0ˢ 3+Gˢ '020ˢ . +GEˢ 0ˢ . ˢ 2+ˢ *+ˢ 0**+/4#0#ˢ 2"ˢ ;" . ˢ 0-20 . +-$"ˢ 20ˢ #+,0#$ '0"

ˢ A Sˢ ?ˢ 2 #+'$"#ˢ 20#>ˢ 0--401 . +-$+ˢ '"-$0ˢ 0ˢ +8 U Zˢ '0 . 0#0ˢ ,"#ˢ 4 . ˢ #+10$"# "(ˢ 2+ˢ $42"ˢ 940-$"ˢ $ 3+#ˢ "''"## 2"ˢ -0ˢ /+#+-' 0ˢ 2"*ˢ $#0;0$:"*ˢ 2"

J ' ' J

. 4*+4(2" +*102" + . 94+ *+ 0'1 0(2+ *40* -+'+** 202+* . 0 * ";3 0*(+ 2+ *+-* . +11 "#0#0+-$"* . 0 * . ,"#$--$'* + ", ,"#$4-"* S

"* 1+ $"#+* -0" 2+3+ *+# 2+*0/#0203+1 +-'"-$#0# 094 " F4 G" '# 1 '" 2+ 2 3+#*"* +*'# ,1"#+* 0'+#'0 2" ,# . $ 3+ 5 94+ + :"F+ ,#",# +202+ +8'14* 30 20 '0 . 0#0 . 4- ' ,01 2" "#$"('" . " F2 *0;+ . "*

0**0 . ,* 0 *01 * 0G+# 0 '4# "* 202+ 94" #0 1" -0$4#01 . +-1+ ,#+ *4 . . "* -5+* $+ '0*+

? '"-2+ 0'GN-*a (94+ '80 . -" 094'11+ . 4*+4 -" 04-" 2+ AC>>(0110 25+11+ 4- '0 . +-1+ '" . #+ +#+-' 0 2 , -$4#0(+ 2 G " *+(/4 -$+<

K *;"--+ -+ ,"**+2+ ,0* 2+ '"11+'$ "- ,0#1 '41 +#+ 94 ,4 **+ +1#+ '" . ,0#++ 0 '+2+ 2+ 11+-(-+/"' 0-$ 0-/10 * +* $0;1+048 *+-$ #+R ,0#$ * 03+' "#2#+ +$ 03+'/"4$ 20-* ,14* +4#* /#0-2+* *011+* 5N 0 #+Z . 0#94+ ,14* +4#* ,0N*0/'* 2+ 1 . 0-(: : - 2+ + #0 "# 4+-*+(;+04'"4, 2+ F"1 * $0;1+048 10 . 0-2*E 4- $0;1+04 2+ + #0 "#14+-*+ 2"-$F50 0 $. +-$ "- 1"4$ 0 # : +4#+(+$ 94 #+,#+*+-$+] * D , 6

> 2+48 $ B *4# ;" *(20-* 1+ /+-#+ 2+ 4;+-*(2+ *"- +,"94+ +$ +-$"4#+* 2+ /4 #10-2+* 2+ 1"4#*E 4- 04$#+ * D 2+ + #0(03+' 4-+ . . + +$ 2+48 +- 0-*E 4- 4 * 2+ /#0-2+4# -0$4#+11+(2"-$ F+ -+ *04#0 * 2+$+# . R -+# #"# / -+(. 0 * 94+ F50 $#"43+ "#$;+04Z H

? 114*1#02" + . 4 $" '" . , '$+-$+*# +#2 -0-2 +- * . +-' "-0 -"* *+/4 -$+* $+# . "* " 4*+4 11+-E

K - +$#0-/+#(+0- 11+-(0 2"1+ #+'+ . . +-$ 10 3 11+ 254- 4 *++ 94 (*0-* +$#+ 0;*"14 . +-$ *,+' 01(#+, , -2 0 4-+ "41+ 2+ ;+*" -*E -"- *+41+ . +-$ "- N #+#00#94+ 94+194+* $0;1+048 254- :#4$,# 8(. 0 *

, 1 , 2
, 3 * * % D 1 I 0 3

& 78D< $06 ;8D # ;8E

L * +"# 0*H/+&Y 50H 0 & (0B ,0+,#& " I , &#6% +,# #Z 6 0 I#) '%# "# G #G$ &, 2 "*& '%# 6 &, "0& 0 ,#& #&,0 1 0 & 6#+# 0) &0" + I , " '%# #1 &B 0 & $,%#+&#& #1 6# 0) 6 &,01 1 0 & "# &# "#0 B@#*, & "# 0 ,#4 +0 "# G01 * B "# $< & '%0" &4 6) 01 .& " & $#+. "% 0 "# *% "0 "0 &%0 * +&# 20 0 M

'+#10 -+ ;#0-':+ 25: *1" #+ -0$4#+11+ N *"-$ #+,#+*+-1++ ,0# 2+ '"1R 1+'$ "-: :0; 1+ . +-$ '10**++*Z Q

* 094 0 -"$ ' 0 9-+ 2" 4*+4 11+- 2030 #' 114(+ . 20$0 2+ A 2+ F4-:" 2 AC7D<

K " . ,2+ *+ ,# -' ,01 . '-1+<

KA S +4#- /0; -'$+ '"-'"1"/ '"(1013+G " . +1:"# 2" #+ -"(-0" *" ,+# '"-*$0# 2+ . 0 * 2+ I?<???' '"-':0*(+- #+ +110* 01/4 -0* 2+ #04 $ ** 4" 301"# ,+10 *-0 #0#+G0 + ,+# + '0" +81#0"#2 -0# 0(. 0* $0 . ;+#- ,"# F4+ +*10" '" 1"'020* *+/4-2" "*N*1+ . 0 2"* 04'1"#+* . "2+#-"* 94" $++ . +*'# ,1" *";#+ +*$0 ,0#$+ 20 ; *$"# 0 -0$4#01

KI L . -+#01"/ 0(+ /+"1"/ 0(,"**4+ 01/4-* ";F+'$"* 2+ #04 $0 +*$. 0/ 0"('" . " * " 2 1 +#+-$+* 0 -"*$#0* 2+ 3+ "* 2+ "4#" 2+ 30# 0* ,0#$+* 2+ "#$4/01(+ " 1#0* 2+ ,#0$0 20 ,# -' ,0+* . -0* *,0- '" . +# '0-0* -0 '"11+')0" 2+ ,+2#0* 2"* 1,+*E 1030* + . -+#0+* 341 '0- '"* 2" +*43 "(9 + " *# " " 11+- 029- # 4 -0* 3 * 10* 9 + +G -"* 0--"* 2+ >CI? IV 094+110* 0 -"*0* ."-$0-:0*(+ '+1+;#+ 341'0"E 01+ . 25 **" 4#-0 ;+110 '"11+''0" 2+ ,+#$" 2+ 7??' ,+2#0* #0#0* + 0-1 /0* 0':020* -0* #4 -0* + +8'030'4+* ' $0* +#0 21 +5+-$+* ,0#$+* 20 $01 0(-" 1+#'410-"("#0,+ 0(+ 3 * -;0-/0* 2+ ". 0(0* 940+* '"11"'020* -" . 0 * ;+11" 0##0-F" ,"** 3+1 "#. 0 . 4 . 0 . +*0 2+ 940$#" ,+* + ' -'" ,"11+/020* 2-/1+G0* 2+ 2 0 . '1#" "**4+ 10 . ;+ . '"11''/"+* 2"* ,# -' R ,0+* #00# . "#+* 2+ "#$4/01(+*,0-:0 + $01 0

K7 S . , -$4#0(,62+ *+ 2 G+#(94+ 24#0-$+ 0 *40 ,+#. 0-+-' 0 + . " . 0 +G ;"0* 0'94 * /;"* 2 # / 2" ,+1" '+1+;#+ , -$"# ,"#$4/4+G +9-+ #0E + :"F+ 0 *40 '"11+'/ " F0 0*'+-2+ 0 ,+#$" 2+ >?? 9402#"*(+-$#+ , -$4#0* /#0-2+* + ,+94+-0*(+- #+ 0* 940+* *+ +-'"- #0 . ';+11 * * . 0* ";#0* 2+ 41 " ". 0-"(0$"#+("#01+* ':0 . 02" "2 3 -"(0- 'a(0#1"* 0#010(/-0-(0130$"# "*0(0$"-(+ . ;#0-2$("##+/R / "(02+*(" . ;+11 (+ #0 "#14+-*+(+94+ #0(+ 2+ "41#"* . 4 $"* -* /-+* 04'$"#+* ,"#$4/4+G+* + +*1#0-/+ #"*E + 2+ 4 . 0 # 94 ** . 0 + 30 # 020 '"11+''0" 2+ +*$0 . ,0*

0> L . -4 . * . 01 '0(" . +2011 ' #" 25+*1+ /0; -+$+ + :"F+ " 2+ . 0 "# . ,"#$0-' 0 -" "#$"(01$+-2 20 0 04*+-' 0 2" 011+' 2" ; *," 25+*$0 ' 202+ "-*10 2+ 01/4-* . 1:0#+* 2+ . +201:0*(+-$#+ 0* 940+* *+ +-'"- #0 . /#+/0*(+/N,' 0* B1013+G 0* 4- '0* -" "#$" (#"#00-0*

$ * 5 4 # 3 , & I0 &' 78D<' $06' ;87' A))#* 0 ' 0 > * * 0 * * '

0#0;+*(+' 2+' "4$#0*' -0/"+*' 0-$ /0*E +' 0' ;+11 ** . 0' '"11+''0"' '" . ,1+10'
20*' . +201:0*' 2+' 0,"1+0"(+' "4$#0*' . "2+#-0*' 2+' /#0-2+' . +#+' '
. +-$"

K S' 4# "* 202+*' *$0*' *+', "2+ .' 2 3 2 #' + .' -014#0+*' +' 0#1 ' 0+*'
-$#+' 0*' *+/4-20*' ;0' 4 . 0' 2+' . +# 1"' * -/410#(+' /#0-2+' 301"#E +' .'
;4*$"' 94+' *+' *", ,"+' *+#' 2+' 4 . 0' . ,+#0$# G' #" . 0-0(+ $"' 2+' 4 . 0' 0/40'
. 0# -:0(94+' -0"' *"' *+' 0G' -"$03+1' ,+1"' $0 . 0-:"' +' ,+# + '0"' 20' ,+2#0'
,#+' "*0(. 0*' $0 . ;+ .' ,+1"' ,# #0"# 20' +8+'4' 0"(94+' *6' 94+#-' '"-:+'+'
0' 2 1 '41202+' 2+' $#0;01:0# + .' 4 . 0' ,+2#0' $0"' 24#0(," *' -0"' '+2+' *+'
-0"' 0' "# 0' 2"' 2 0 . 0-$+' #+24G 2"' 0' ,6(,"2+#0' 20# 0' +*10' F" 0' "' 301"#
94+' +110' +-'+##0E ,+'0' 1013+G' 4- '0' -"' *+4' /+-+#"(,"# 94+' *+' 94+'
+8 *$+' + .' #+1+3"' 4#-' #+$#0 "' 2+' -+"' " . ,+ "(1:"' 2"' /#0-2+' " .'
,+ "(+ $"' -54 . 0' 0/40' . 0# -:0' "4' ;+# 1"' ,"# 4 .' 101' /0$", "' 1+#0'
25+*$0' ,+2#0($+ .' 4 . 0' "- 8' 94+' #+,#+*+-$0' + .' #+1+3"' 940$#"' '0;+'0*(
4 . 0' 20*' 940+*||, 0#+'+' *+#' 0' 2+' 4, $+#' . "-E "|| 0#$ '+' 10, 20# "' *"4;+'
'" . ; -0#' 0*' '"#+*' -0$4#0+*' 20' ,+2#0' 2+' 4 . 0' . 0-+ #0' . 4 $"' +-/+-:"*0(
0** .' '" . "' $0 . ;+ .' 20' *0#2"- '0(94+' #+,#+*+-$0' 0' '0;+'0' 2+ - . 0' ;0'R
':0-$+' '"#"020' 2+' :+#0(94+', "**4+' "' . +* . "' *+-:"#' 0' 10 . -0' 3('
/4#0*' ' +' 6A(*+' 3+' 2+1 -+02"' 2+' ,+# 1' +' 2+' #+-$+' "' ;4*$"' 20' . R
,+#0$# G(2+' 0/40' . 0# -:0E 0' /' 61' 0G' 3+#' 0' *0#2"- '0E +' 0*|| /4#0*'
67' +' 6 ' ' '0 . 0 +"' 20*' 940$#"' '0;+ 0*(+' "' $0 . 0-:"' 20' "- 8

K6 S' '1 3#0# 0' +' ;0*$0-$+' -4 . +#"*0(# '0' +' +*'"1: 20' -'"-$#0 . *+'
-5+110' ";#0*' 2+' . 4 $"' '4*$"' +' . +#+' . +-$"(':+ 0*' 2+' - ** . 0*' +*$0 . '
,0*' '"1"# 20*(,# -' ,01 . +-$+' + .' '"-':+"1"/ 0(: *$"# 0' -0$4#01(-4 . *'
. 0$ '0' +' 0#$+*(94+' #+94+-$+ . +-$+' $+ .' * 2+' '"-*41$020*' ,"# 30# +*'
0#$ *$0*(,"# 01$0' 2+' 4 . 0' ; ;1 "$:+'0' ,4;1 '0' *' ";#0*' +*10"' +*'# ,$0*'
+#0' 10$ #0(#0-'+G(-/1+G(,"#$4/4+G' +' :+*,0-:" S

#0-2+*' 1"43"#+*' . +#+'+' 0' '0 . 0#0' . 4- ' ,01' 2"' "#$"(,+10' 2+1 '
;+#0'0"' 94+' $" . "4' + .' ACD?' 2+' '" . ,#0# "' 4*+4' 11+-' .' +*'# ,$"#
. 4 $"' '" . ,+$+-$+' -0*' '" *0*' 20*' +110*' #1+*' 2 **+' :0' ,"4'"<

K ' . 4- ' ,01 202+' 2"' "#$"' +G"' 94+' 0' 2+' *;"0' -0;' *"4;+' 0 -20'
0G+#E '" . ,#"4' 4 .' . 4*+4' -$+ #"("' 0'$401' 5 ' 5 * ' '"11+'
0" ,#+' "*0 +4' +*$+' +8+ . , "(4- '"' 0$+' :"F+(0' $"2"*' "*' . 4-
' , "*' 2"' #+ -"E 2+4' .05*' +*$+' +8+ . , "' 2+' - ' 0$ 30' 1"'01' 0' ,#", # 0' 'OR
, $01' 2"' ,0 G h

** .(,"#+#0('" . "' #+,#"24G . "*' "*' F4 $"*' 1"43"#+*(2+3+ . "*

7 ! ' ' ' * ' * ' #' ' ' < ' I , ' 78;E'

$06' TTT T' 0'

$" . 0# -"$0 2+ˢ 4 . 0 ";*+#30'0"ˢ '# $ '0 2"ˢ . +* . "ˢ +*'# ,1"#(94+ˢ 01 *ˢ ,22+ˢ #+24-20# + . ˢ ;+-+ ' "ˢ 2"ˢ . +1:"#0 . +-$"ˢ 2"ˢ . 4*+4<

$ *ˢ ,"4'"*ˢ . 4*+4*ˢ 94+ˢ $+ . "*ˢ -0"ˢ ,#++-':+#0 "ˢ *+4ˢ . (,"# 94+ˢ *0"ˢ . '" . ,1+$"*ˢ +ˢ "# . 0#0 . *+ˢ 2+ˢ #+*$"*ˢ 0-$ /"*(*+ . ˢ , 0-"(*+ . ˢ . + ˢ :"2"(*+ . ˢ 4 . ˢ . ˢ +*,+' 01(,#01 '"E *+#3+ . ˢ :"F+ˢ 0,+-0*ˢ ,0#0 2+1+ $+ˢ 2"*ˢ "1:"*E -0"ˢ *01 * 0G+ . (-"ˢ . 0 *ˢ . - . "("ˢ *+-$. +-$"ˢ +* :+1 '"(,"# 94+ˢ -5+11+*ˢ *+ˢ 0':0 . ˢ 0/1" . +#02"*ˢ +ˢ '"11"'02"*(,#" . *'40 . +-$+(";F+ ˢ '1"*ˢ 94+ˢ 2+*$"0 . ˢ 4-*ˢ 2"*ˢ "41#"* ˢ "ˢ 4*+4ˢ 4- ' ,01ˢ 2"ˢ "#$"ˢ +* ˢ 10"ˢ '"11+''2+*ˢ 2]ˢ 0#$+(2"ˢ 0#$+*ˢ -24*$# 0+*(+ˢ 2+ˢ *' +-' 0*ˢ -0 #0+*ˢ BG"" ˢ 1"/ 0(. -+#01"/ 0ˢ +$' (,#" . *'40 . +-$+(-"ˢ . +* . "ˢ +2 ' "(*+ . ˢ 94+ˢ 0*ˢ #+'10 . 0'"+*ˢ -*$0-$+*ˢ +ˢ #+,+$ 20*ˢ 2"ˢ G+1"*"ˢ +ˢ ,#+*$0-$+ˢ 2 #+'$"#("ˢ *#ˢ 240#2"ˢ 4/4*$"ˢ 11+-("**+ . ˢ 0$+ˢ :"F+ˢ 0$$+-2 20*Z S

+3+ . "*ˢ $0 . ;+ . ˢ . +-' "-0# 4 . ˢ '4# "*"ˢ 0#$ /"(-$ $4102"< /ˢ 5 ˢ ˢ ˢ ˢ 94+ˢ "ˢ ,+# "2 '"ˢ J ?ˢ 5 ˢ J ˢ -*+# 4ˢ -"ˢ *+4ˢ -4 . ˢ A?ˢ 2+ˢ ˢ 2+ˢ 2+G+ . ;#"ˢ 2+ˢ AC7C

1 ˢ *+ˢ +-'0#+'+ˢ "ˢ . +#+' . +-$"ˢ 2"ˢ 4-202"# 2"ˢ . 4*+4(+ˢ 0 ;"0ˢ "#$4-0ˢ 2+ˢ ,"2+# #+4$ 1# ";F+'1"*ˢ 1 "ˢ 30# 02"*ˢ 940-$"ˢ #+'" . . +-203+ *ˢ ,"# . 4 $"*ˢ $ $41"*ˢ *ˢ /#0-2+*ˢ -0/"+*ˢ ,"2+ . ˢ "# . 0# . 4*+4*ˢ # '"*E . 0*ˢ 940-2"ˢ 4 . ˢ ,0#$ '410# *+ˢ 0;010-/0ˢ 0 $01ˢ + . ,#+G0(01 2"ˢ 4- '0 . +-$'ˢ 0"*ˢ *+-*ˢ #+'4#*"*ˢ ,+ **"0+*(. +#+'+ˢ . - $"ˢ . 0 "#+*ˢ 1"43"#+*(+ˢ +ˢ 2 /-"ˢ 2+ˢ 94+ˢ "ˢ *+4ˢ -" . +ˢ 94+ˢ ;+ . ˢ 0** /-0102"ˢ -0ˢ 1+ . ;#04)0ˢ 2"*ˢ 3 -2"4 ˢ #"*

"4;+ˢ 0"ˢ 4-202"# 0 "#$4-0ˢ 2+ˢ 94+(24#0-$+ˢ "ˢ '+#'"ˢ 2"ˢ "#$"(-+#0ˢ 4 . ˢ *6ˢ 2"*ˢ ,#"F+'1 *ˢ 94+ˢ "*ˢ * 1 02"#+*ˢ 10-'0#0 . ˢ *";#+ˢ 0 ' 202+ˢ '0 **+ˢ -"ˢ 1"'01("-2+ˢ +*$030 . ˢ /40#202"*ˢ "*ˢ ";F+'$"*ˢ #0#"*ˢ +ˢ ,#+" "*"*ˢ 94+ˢ :03 0ˢ . 4 $"*ˢ 0--"*ˢ "#0ˢ '"11 / -2"ˢ 0 /#0-2+ˢ '4*$"

"ˢ ' 102"ˢ 0#$ /"ˢ 3+ . ˢ 4 . 0ˢ 2+*'# ,'0"ˢ + h'+1 +-$+(' #'4 . *$0-' 020ˢ +ˢ +-$:4* 0*$ '0(2"ˢ 94+ˢ *+ˢ '"-$ -1 0ˢ -"ˢ 4*+4ˢ 11+-(+ˢ *+#0ˢ +110ˢ *+#0,#+ˢ 1 20ˢ '" . ˢ -$+#+**+

*,+' 01 . +-1+ˢ -'41'030ˢ "ˢ 0#$ '41 *10ˢ ˢ 02 . #0)0"ˢ 2"*ˢ f3 * 0-$+*ˢ "ˢ ;" . ˢ /"*1"(0ˢ +1+/0-' 0("ˢ 0'+ "ˢ +ˢ 0ˢ "#2+ . ˢ 94+ˢ #+ # 030#0ˢ -"ˢ . 4*+4< +ˢ $+# . -030ˢ '" . ˢ +*$0ˢ 2+'10#0 0"< K *ˢ +*$#0-/+ #"*ˢ +ˢ "*ˢ -0' "-0+*ˢ 94+ˢ $++ . ˢ 3 *1"ˢ "ˢ . 4*+4ˢ +"-'"#20 . ˢ 4-0- . + . +-$+ˢ + . ˢ 94+ˢ -0"ˢ "# . 030 . ˢ 2+0ˢ 2+ˢ 94+ˢ -0ˢ ' 202+ˢ 2"ˢ "#$"ˢ :"43+**+ˢ 4 . 0ˢ '" *0(94+ˢ . +* . "ˢ -0*ˢ '0, $0+*ˢ 20*ˢ -0/"+*ˢ . 0 *ˢ ' 3 1 *020*ˢ *+# 0ˢ 2 /-0ˢ 2"ˢ 02 . #0# *+ H

Rˢ ˢ Q 0'% 1ˢ "#ˢ 0&* +*#)) &ˢ % ˢ ˢ 3 ˢ ˢ R D ˢ ˢ 2ˢ
ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ 7Lˢ ˢ ˢ ˢ 789EFˢ

I ˢ 7899

3"14 . + 2" + +-'"-1#0#0" "* 1+ 1" #+* 4#-'4# "*" 0#$ /"('" . " $ 141" 2+ 5 D -" 9401 , "2+ . 3+# -"1 ' 0* #04 $" -1+#+**0-$+* 0'+#'0 2" 4*+4 4- ' ,01 2" "#$"(+ 2" 4*+4 11+-

: 3 . "* 4 . 0 -"$ ' 0 ; "/#0, : '0 0'+#'0 2+ "0" 11+-(4-202"# 2" . 4*+4 2" *+4 -" -+ ;+ . '" . " "* '"-3+- +-1+* +*'10#+' . +-$"* *" ;#+ 0* 2 1 /+-' 0* + . ,#+/020* ,+1" . +* . " 4-202"# ,0#0 #+4- # "* ";F+'$"* 20 *-0 ,#+' "*0 '"11''/0"E + -01#0+-$+(01/4 . 0* ,0#$ '410# 202+* #+10$ 30* 0 '" . ,#0 2" . 4*+4 ,+10 '0 . 0#0(+ '"11"'0/0" 25+11+ " . 4 $" 0" '"##+# 20 ,'--0 0, "-$0#+ . "* 0* *+/4 -1+* +*,+'F 0Z 1 202+*(

-$#+ "* 3 * $0-$+* 114*1#+* 2" 4*+4 11+- B2"* 940+* . +-+ "-0 . "* F0 '"-2+ 2+ 0'G -*aN /4#0 " -014#01 *$0 2 -0 . 0#94+G('"-2" 2+ 0#/0* 2+ +2 . 0#(94+ 3 0F"4 + . " "#$4/01 10# $" -" '"-$ -+-$+ '" . " -0* 1:0* 02F0'+-$+*(?' '"-2+ 2+ 0#/0* 2'4 0,#+/" 0 '"11+'/0" . -+#01"/ '0 2" 4*+4 11+-(+2+," * +-3 "4 ,0,0 +*$+ 30# "* +8+ . ,10#+* 2+ . -+#0'* 2" -"#1+ 20 4#",0

"094 . 0, :0+1 +G 1 $1 "/#0, :0# 4#- #+$#0$" 2+ " " 11+-' '" . '0 *+/4 -$ $ 1+ . -20<

&' 0 ,#&' 06 0"#* "0&
+, 0' ',#1$ ' '%#'0&' * %& 0 '
#' # 6#1' 1' 1 +%1#+, '
>%#' 20 ' B0&#0 ' ,#%' + 1#

"0" 11+-(3+#202+ #0- "-$+ 2 /-" 2"* 03"#+* 20 "#$4-0(" 01 0* -"* 41$. "* 0--"* 20 *40 3 20 0'"**02" ," ' 2+*/"*1"* ,4-/+-$'* 94+ 0,#+**0#0 . 0 *40 . "#$+ BAC 2+ . 0 " 2+ AC>C

+ . '"-:+' 0 "* '0,# ';"* 20 "#$4-0 + 0 *40 '"-*$0-' 0 + . *+# -'"-*$0-$+ " ,"+$0 94+ 2 **+<

I0&& B%&' 0 1 B 6% &' 5 ,%+0' 2)%B? &' # 0,
,' 1 0+#,' +' +%)) ' *# ,0' ,#+0G') *

_9 '

+-2" 01102" :0 ,"4'" 2" '"-2+ 2+ 0#/0* 2+ +2 . 0#(2+3+Z . "* $#0G+# 2 1+ . ;#0-/0 4 . 0 ' #'4 . *$0-' 0 . 4 $" '4# "*0

1' 78;9' 5 ' $%B) *0" ' #1' &B 0' #&,#' *&* $, 0' %

' ' ' ' ' ' ' ' ' 5 +' '

' ' ' ' ' ' (6 ' ' EF\ /$ $#) ' * +" ' "# 0 60&' "#' #" 1 0

"' % 2 G 0 "' '"-2+< $,#+*+-$+ 3 0/+ . (0;#0-/+-2"' "'
+80 . + 2+ $"20* 0* 1:0*(*+ . +8'+, '0"('"-1# ;4 4 ,0#0 0G+# 2+*0,
,0#+'+# +**0* 114*"+* 110 *+#3 4 ,0#0 , B *
, , - :
* J

"-$#0 +*$0 0**+ 5)0" 0'42 0 1"/"' 0 ,#"$+*10# #0-' *'"' 2+
4 G B2+," * '0#2+01 0#0 30 (,#+$+-2+-2"' 2+ . "-*1#0# 94+ *+ $#0$030
2+ 4 . 0'$"' ,4#0 . +-$+ : *$"# '"(+ ' $0-2"' ,0#0 +**+ . "' $+*$+ . 4
-:"' 2"' ,02#+ -$"- "' "#2+ #"' -0 . (B0," 02"' -0* -"Z
$ ' 0* 2+ 0*,0# #4'$4"*" (+ "' 94+ 2 G "' F42 ' "*"' 0 . 0"' 2+ "+*
-"' '0, $41"' W S 20 : * * # +# . -030 +8,#+*
0-2"' 0 +,+#0-/0 2"' 94+ "' 04'$"# -"* 2+ 80**+ -0 ,"**+ ,0' '0 25+*
$0 0-$ /401:0(94+ -+-:4 . 0 #+10/0"' $+#- '" . 0
25094+110 1:0

*$030 . "* 02 . - *$#0-2"' "' 2 *$# '$"' 2+ 0*$+11"' #0-'"(,#+' *0Z
. +-$+ -0 "''0* 0"' + . 94+ "' '"-2+ 2+ 0#/0* 2+ +2 . 0# ':+/"4 094+110
' 20 + "# 2+3+# 2"' '0#/"(+ ,"# '4# "* 202+ 2+ "43 # 4 . *0; "' +*
$#0-/+ #"($ 3+ . "* '" . +1 + 01/4 . 0* #+10/;+*(+ "''0* 0"' *+ -"* "1 +#+'+4
2+ :+ 0110# 2"' +*'# ,$"' 2"' -"**"' 2"4$"' '" . ,0$# "10 ? '"-2+ . "*1#"4
2+*+F"' 2+ 1+# +**+ +*'# ,$"(+ *+ . 0 . +-"# :+* $0/0"' :5"' 0,#+*+-$0
. "*)401 -0"' " (,"# +#0("' -"*"' +*,0-$"' 940-2"' -"' 2 0 *+/4 -$+ -"*
#+*$ $4 4 "' . ,#+**"(2 G+-2" -"* '" . -2 11+#+-/0 + 2+*2+ . <) 6
* 6 6 2
*

+ ,0**0/+ . 2 #+#0"* 94+ "' 0'$"' 20 +8 *$+-' 0 20 +*$4$40 -0"' 6
-3+#"* . 1(-+ . ,62+ *+# 2+*,#+G020 0 '"-F+'14#0 2+ 0 . 0"' 2+ "+*
2+ *+# 094+110 . + . "# 0 20 /+- + 2"' -"#1+

"' % *

ACV6 ACVV +-'"-$#0 . "* 01/4 . 0* -"$ ' 0*(94+ -"* ,0#+'+ 2+3+# . "*
0,"-$0#

? 4*+ 4- ' ,01 +*12 +$- 4 . +2 ' "' 0'0-:02 ** #0" + "* 940
2#"* +*10"' ;+ . +8,"*$"*(+ +#$"' 94+ -0"' 0 +*,0/"' ,0#0 '"11+'/"+* 2+
. "+20*(2+ '"-':0*(2+ 03+*(2+ 0#';+"1"/ 0(+$' 94+ 011 +8 *$+ .
#0-2+ ,0#$+ 20 '"11+'/0"' -4 . * . 0$ '0 " . 42020 ,0#0 0 ; ;1 "$:+'0(
,"#94+ +#0 #0,"** 3+1 '"-*+#30# *+ -0 '0*0 20 #40 20 +*104#0/0"

7 #@0 0 9 * , 1 2
0 1 0 "# #& : * * #
"# . (
! 2%

?' 2 #+'$"#' 2"' . 4*+4(' "' *#' 240#2"' 11+-(' ,+# 1:0' 0' ", - 0"' 2"' *#' "094 .' 2+' 0*'"-'+11"*(' 2+' 94+' K"*' . 4*+4*' 2+3+# 0 .' *+#' +-$#+' -6*' . 4*+4*' ,0#0' 0#$+*' -24*1# 0+*(' ,# . + #"' 94+' 142"(' 4- '"' . "2"' 2+' *+#+ .' 41+ *(' ,#01 '0 . +-$+(' . . +2 0$0#0+-$+ Q' +'"#20' 94+' +11+' ,#", # "(' 2 #+'$"#(' + .' 2" *' #0;01:"*' 94+' . ,# . #0' ,0#0' #+ . +$$+# 0-*' /"3+#-0' 2"#+*' 2"' 1$#0 . 0# +' 0"*' '"-*"1+*(' ,+2 -2"' ";F+'$"*(' -'41'0#0' 0' '"-3+' - +-' 0' 2+' 0--+80# 0"' . 4*+4' '"11+''"+*' 2+' 0#$+' -24*$# 01

8, ;+' 0' '0 . 0#0(' . 0 *' 4 . 0' 3+G(' 0' -+'+** 202+' 2+' *+' '"-*$#4 # 4 .' +2 ' "' "-2+' ,"**0' :03+# 02+9402"*' +' 30*1"*' *01"+*' ,0#0' 0#$+*(' F-24*1# 0' 0#$ *1 '0(' 0;# 1' +' 0/# '"10(' ;+ .' '" . "' '"11+''"+*' : *$"# '0*(' 0#'1 +"1"/ '0*(' +' *' +-$ '0*' + .' /+#01

?' . 4*+4' "' 3 *1102"' ,"# A?<V?C' ,+**"0*' + .' ACV6(' +' ,"# AA<IAZA' +#0' ACVV

+#0"*' #+4- 2"' -4 $0*' +' 30# 020*' -"$ ' 0*' 0'+#'0' 2"' . 4*+4' 2+' 94+' *+' $#0$0' -5+*$+' '0, $41"E' . 0*' 0** .' . +* . "' 2+3+ . "*' 0'#+*'+-10# 4 .' +1+ . +-$"' 2+' - "##00'0"' 94+' -"*' ,0#+'+' 2+' *4 . . 0' . ,"#$0-' 0

) 40-2"' -"' 0--"' 2+' AC?I' 1 2030 . "*' + .' '"11 / # -"$ ' 0*' ,0#0' +*$+' -"**"' $#0;01:"(' 1 3+ . "*' 0' "#$4-0' 2+' #+'+;+# 2"' *#' 240#2"' 11+-' "' ,#+Z' ' "*"' 0, "-$0 . +-$"' 94+' 30 . "*' ,"# 2 0-$+' 2"*' "1:"*' 2"*' 1+ $"#+*' 0"' *6' '"-)# . 0' +11+' "' 94+' 094' +' 0'"10' +8, "G+ . "*(' *+-0"' $0 . ;+ .' +-'+##0' +*'10#+' . +-$"*' +' ,"-2+#0'"+*' 94+' . 0 *' 0114#0 0 .' "' 0**- . ,$"<

K?' 4*+4' 4- ' ,01' 2"' "#$"(' ,#", # +202+' 20' ' 202+(' "' ," # +110' 0294 # 2"' -"' 0--"' 2+' AC??(' 0' #+94+# #0+# $"' 2+' /#0-2+' -4#0+#"' 2+' ' 2020"*' #+*, + $03+ *(' +' ,0/"' ,+10' 9"0-1 0' 2+' AW<??? ???' #+ *' + .' 1+$1#0*' 3+-' 3+ *' 0' 10#/"*' ,#0*"*E' *+-2"' ,#+* 2+-$+' 20' . 4- ' ,01 202'' "' 011+' ' 2"' 3 *'"-2+' 25 1,+-24#020(' +' /"3+#-02"# ' 3 1' "' +8 U S '"-*+1:+ #"' ",+*' 2+' 0*'"-'+11"*

K +4 *+' ,"# "''0* 0"' 25+**0' '" . ,#0' 4 .' 0'$"' -"$03+1(' 94+' *6' ,62+' +8,1 '0# *+' ,+10' -$. 0' '"43 '/0"' 94+' 0' $"2"*' 2" . -030(' 20' '"-*' +-' 0' 2+' -0"' *+# 2+*,+#2 /020' 4 . 0' $0"' 03"#03+1' ", , "#$4- 202+' 2+' *+' +-# ' 94+'+# "' . 4- ' , "' '" .' $0"' 301 "*"' +*$0;+1+' . +-$"< " Z+*$0' 0' 4- '0' 3+G' + .' 94+' ";#0#0 .' 2+' ' 04'$"# 202+*' -5+**0' +, "'0' 10"' 2+*03 - ' 20*' '" . "' +*$030 .' 0' '0 . 0#0' 25+-$0"' +' "' '"-*+1:"' 2+' 2 *$# '$"

K?' . 4*+4' :03 0' * 2"' 4-202"' ,+1"' 011+' 2"' *#' "0"' 11+-(' *4;2 $"' ;# $0-- '"' -0*' 2"' + .' 0--0' 2"' -:"' +' #+* 2+-$+' -"' "#$"' 2+*2+' 0' *40' 02"1+*'+-' 0(' $+-2"' *+#3 2"' '" .' 2 * -''0"‖-0' 0 . ,0-:0' ,+- -*410# +' ";1 2"' ,"# **"' "' :0; $"' 20' "##+ *,020' 0"' :"43+' +* "#'"*' -+.' 2+*,+G0*' 94+' ,"4,0**+' 24#0-$+' 0' *40' 3 20' +' -4 . +#"*0*' 3 0/+-*' ,0#0' 04/ . +-$0# +' +-# 94+'+# +*$+' 4$ 1' +' . ,"#$0-1"' ";F+'$"' 2+' *40*' ,#+2

' ' "+*' +' 2+*3+1"*< +' '" 9 +' +11+' ' : +/"4' 0' #+- - #' -5+11+' '"-*$0' , 4 ; 1 '0 '
. +-$+' ,+10' /+"/#0, : 0' 25 #' 14(,0/ -0*' 888 8' +' *+/4 -$+*' 2"' 3"14 . +
A fE ;+ . ' '" -"' ,"# +#2 -0-2' +- *(+' "#$4/01' B'"11+'$ "-' 2+' - '
3',‖ ' ,-/ ' 7CAE "' '"-2+' 0'G -*aN B +11#+*' * # 1+*' #$*' +-' "#$4/01 '
,0/ ' 7C>E +' "' 4 0' 2"' 3 0F0-$+' 4*" #0G 1+ #"' 2"' 2# ' + . "*(,0/ ' 7C
K 011+' 2"' "' 4-202"# +' ,#", # +10# "' 2"' . 4*+4(. 0-2"4 "' '"-*+1: "'
2+' 0 . 1 0' ,#"'+2'# 0' 0301 0'0"' +' 3+-20' 2"' . 4*+4(+' 20-2" *+' "' +1 G'
0'' "#2"' 0' . 0' . +-' "-02"' +-$#+' $"20*' 0*' 04+$"# 202+*' 2+' 94+#-' **"'
2+, +-2 0(' +-$#+' +110*' +' 0' ", - 0"' , 4 ; 1 '0(,0**"4' "' K 4*+4' 1 +-Z 0'
+# ,#", # +202+' 2"' . 4- ' , ", "#$4+-*+E '0-2"' -$+# -0 . +-$+' -0' . + . 0'
'0*0' + . ' 94+' *+' 0' : 030(0' 9401('"-*$#4 20' + . ' AC7C(F0' ,0#0' +11+' +#0' , +'
94+-0(+' 00' 9401' ,+10*' 2+* 03"#03+ *' ' #'4 . *$0-' 0*' 2"' '" #+' . 4- ' R
,01' *+' 0' : 0' 0 -20('" . ' /#03+' 2+$# #0+-$"' 2+' *40' 04/ . +-$0/0"' +' 2+*+- '
3"13 . +-$"(94+' -0"' ,"2+#0"' $+# 1"/0# + . ' /#0-2+' +*'010' +#0' 940-$"' "'
. +* . "' . 4*+4' -0"' "; $ 3+# +2 1' "' +' *+2+' '"-3+- +-$+*

K?' 94+' +11+' : "F+' ' ,62+' ' "43 # ,+**"01 . +-$+' -0' *+**0"' 2"' AS'
2+' +3+#+ #"' 2+' AC7C' 20' ; "' '0' 2"' *+4' 2 /-"' '"11+/0' -0' #+, #+*+-$0 0"'
-0' "-01' "' +8 pZ '"-2+' 2+' 0#0"20+*(3+#+02"# 94+' "1' 2"' #+*, +'1 3"'
, +1"4#"E ;+ . ' '" . "' 2"' #+101"# "' 20' '0 . +#0' . 4- ' , 01' 2+' 94+' +11+' 0'0 '
; 030' 2+' 0G+# , 0#$+(, 4 ; $ '02"' + . ' I' 2+' F -+ #"' 2"' . +* . "' 0- -"

K?' 04/ . +-$"' 0'$401' , #"36 . ' 0, +-0*' 2+' 2"-0$ 3"*' 25"; F+'$"*(2"*'
940+*' . +2 0-$+' "*' +* "#'"*' 2"' 2 #+'$"# *+' 30"' *+ . , #+' "; $+-2"' 01/4-*(
$0-$"' 2+' , +**"0*' 2"' #+ -"' '" . "' 2+' "#0(: 03+-2" *+' "1 ' 02"' 0"*' '"-R
"1+' 2+' "#$4/01' + . ' 2 3+#*"*' , 0 G+*(+' 7*' 04+$"# 202+*' , "#$4/4+G0*' -"'
1$#0 . 0#' * 02 . - *$#02"#+*' 2"' 4*+4' # $0- - '"(+-$#+' "*' +*1#0"/+ '
#"*(+' +-$#+' "*' -0' "-0+*' "' +8 '"-*41' 6#0' "#$" 1+/#+' "' *#' . 0#01' '
; +#"(+' "' +8 U S ; 0#0"' 2+' 0*$+11"' 2+' 0 30' B94+' . +1: "# 2"' 94+' -+'
-: 4 . ' "4$#"' , "2+# ' 20# 0' ' - "# . 0'"+*' 2"' . 4*+4' + . ' 94+*$0" (*0"'
094+11+*' 0' 94+#-' . 0 * 2+3+' "' +*10 ; +1+' . +-$"E 2"*' , # . + #"*' #+'+ ; +4'
'+-$"' +' $0-1"*' 3"14 . +*' 2+' . 0/- '"*' '0$01"/"*E 2"*' *+/4-2"*' -$+#+*'
0-$+' '"11+', "+*' 2"' "' #0-2+' 2"' 41(+' 20' 02+ #0' +' 0-0# 0*

K?' '4*$+ "' 2"' . 4*+4' . , "#$0' 2' '0 . +#0' 0' 2+*, +G0' 0- -40' 2+' #+ *'
7D6 DA>??(0' *0 ; +#<

14/4+# 2+' '0*0 ' 99+)9)
"-*+#30/0"' +' . 42+G0*' 2+' +8, +2 +-$+ ' D?FX???
#2+-02"' 0"' 2 #+'$"# B94+' *+#3 4' 01/4-*' 0- -"*' /#0
14 $0 . +-$+ ' AI? ???
#2+-02"' 0"' /40#20' B4- '"' + . , #+/02"' *4 ; 01$+#-" ' (C6 ???
; E<AE7LLL

K ?' #04*+4' +*$ ' ,0$+-$+' 0'' ,4 ;1 ' '' ,0#0' $"2"*' "*' 3 * 10-1+*' -"*' 2" '
. -/"*' 2+*2+' 0*' A?' ;"#0*' 20' . 0-:0' 01+' *' $#+*' 20' $0#2+(' +' 40*' 94 -$0*'
+#0*' 20*' A1' 0*' 6E' +' ,0#0' 0#1 *10*' +' +*$42 "*"*' -0*' 7 U (' >SZ(6ZZ' +'
0;;02"' 2+*2+' 0*' A?' 01+' 2' Á ;"#0(' ;+ .' '" . '' ,0#0' 3 * 0-$+*' 2+' "#0'
20' $+##0

K ' +*0 *1 '0' 41$. 0' 20' 4-*' '+#0' 3 * $0-$+*' ,"# *+ . 0-0($+# . '' . +R
2 "' "-'"##+ .' -"*' 2 0*' 2+' #0;01;'' 01/4-*' +*$420-1+*' 2+' , -14#0' +'
. +* . '' 0#$ *$0*' F2' +*10;+1+' 2"*(0 '", 0#' "*' ."2+11"*' 94+' +-'+##0' 0'
#+*,+'$ 30' /01+# 0(. 4 $'' . 0 *' # '0' +' +*'"1; 20' 94+' 0' 20' '02+ . 0' 2+'
+110* #$+*' ' 20' . +* . 0' *"#$+' #+94+-$02'' -5+**+*' 2 0*' #+*+#302"*' 0''
+*$42'' ,"# 01/4-*' +*$420-1+*' 2+' *' +-' 0*' -0$4#0+*' 94+' 3+#0' 01' ,#"'4'
#0#' -0*' '"11+') "+*' '10**) '020*' '' 048 1 0#' '"-:+' . +- '' ,#01 '094+' -5"4'
$#0*' ,0#$+*' :+*' 01$0' ,"# -0'' ;03+#' '"11+') "+*

" ' 2 #+'$"#' '#0 *+' + $'' '0#/"(-0'' ,"#' ";# /0/0'' 94+' ;+' "**+' .'
,"*$0(94+' + .' $01' -0'' ,+# . $$+' ,+-*0#' '' "#2+-02'' 94+' ;+' 0#; 1#0#0 . (
. 0*' ,"# ,0 80'' --0$0' 94+' '' 2" . -0(2+' -*1#4 # . -4' "*0 . +-$+' + .'
$"2"*' "*' #0 . "*' 2+' G""1"/ 0' +' 20' -4 . * . 01 '0' 0' 940194+# 3 * $0-1+' "4'
+*$42 "*'' 94+' '' 2+*+F+('10** '0-2'' "*' ";F+'$"*' 94+' :+' *0'' 0,#+*+-$0'
2"*(+' ,+2 -2'' *+ . ,#+' '" .' -*$0-' 0' :+' 0'411+ .' '' '"-:+' . +- '' 2+'
$"2"*' 940-$"*' 30'' 0, ,0#+'+-2'' +' -$+#+**0 .' 0'' ,#"/#+**'' 20*' 240*'
' +-' 0(*+-2'' '+#$'' 94+' 2+*2+' 0' '#+0/0'' 2'' . 4*+4(0 -20' + .' . 0"*'
2+' *+4' ,# . + #'' 2"-"(+' *";#+$42'' 2+*2+' 0' 0;+#$4#0' 2'' . +* . '' . 4*+4'
0'' ,4;1 '"($+#-' '#+*' 2'' 3 * 3+1 . +-1+' '' -4#0+#'' 2"*' '4# "*"*' +' '"11+'1" '
#+*' 2+' ";F+'$"*' 0-01"/"*('"-10-2'' ;"F+' '' "#$'', 0#0' . 0 *' 2+' ' -'"+-10'
'"11+'/"+*' ,0#1 '410#+*' 94+#' 2+' , -14#0*(94+#' 250#':+"1"/ 0(94+#' 2+'
01/4 .' 2"*' #0 . "*' 20' *' +-' 0' 20' -0$4#+G0

K ?' . 4*+4' 14'$0' ,"#+ .' 0 -20' '" .' 240*' /#0-2+*' 2 1 '41202+*' '
A(S 0' 01$0' 2+' '0*0' '"-3+- +-$+ . +-$+' +*,0/"*0' +' 2 *$# ;4 20('" . '' >#+'
+# (+' 94+' 0' '0 . 0#0' $+ .' -0' *40' . 0'' #+ . +2 0#' '"-*$#4 -2'' -'' 30*$'' 1"R
'01' 2'' +2 ' '' 20' ; ;1 "$:+'0' 01/4-*' *01"+*' 0--+8"*('' 94+' -0'' +8 / # 0'
+-0'' 0' ,+#+3+#0-$+' 0, ,1 '0/0'' 2+' 4#-' "4' 2" *' '"-$"*' 2+' #+ *' 0--40+*'
24#0-$+' . + 0' 24G 0' 250--"*' ' I S'+' 0' 01$0' 2+' 4 . 0' 2"$0/0'' ,+# . 0-+-$+'
94+' ' :0; 1 $0**+' 0' . "-$0#+' '4*$+0#' 4 . 0' " ' -0' $08 2+# . '0' 2+*$ -020'
0' '" . ,1+$0#' 0*' '"11+'/"+*' 2'' ,0 G(' +' 0' + . ,#+;+-2+#' 0*' ,4;1 '0/"+*' -+('
'+**0#' 0*' ,0#0' *+#' 2+3 20 . +-$+' 0, #"3+ $02'' +' '"-:+; 2'' ,+1"*' 3 * $0-$+*' +'
,+1'' . 4-2'' *' +-$ '"' " .' +**+*' 2" *' #+94 * $+*(' '' . ,"#10-1+' . 4'1+''
94+' F0' ,"**4+(+ .' ;#+3+' *+' ;03+# 0' 2+' 2+*+-3"13+#' +' 04/ . +-$0#' 2+'
4 . 0' . 0-+ #0' 2 /-0' 2'' "#$'' +' . +* . '' 2+' "#$4/01("-2+' '' *#' '"-2+' 2+'
0 . "20+*' -0' *4,#0' $020' *+**0'' ,0#10 . +-$0#' '' ,#"'10 . "4' K+*10;+1+' '
. +-$'')9!Q -'' *+4' /+-+#''

K) 40-$ 0 , 4 ; 1 '0' "+*(" +*1+ " AS . 4*+ -5+*$+ , 0 G 94+ 1+3+ '0 $01" / "* . , #+**"* ? 2+ , -14#0* 20$0 2+ ACD7 ' " . " 3+#2 2 " +8+ . R , 10# 94+ 1+-: " 0 : "-#0 25 +#+'+# 1 : + ? 2+ ' "-' : +"1" / 0 $+#-F2 01 /4-* '+-$"* 2+ , 0/ -0* . , #+**0*(+1" / " 94+ *+ ' "-'140 *+#2 +/401 . +-$+ #+ . +11 2 " 0 E 30 2+30/0# - : " , +10 0110 2+ 4-2"* + *"; #+$42 " 2+ 1 3#"*(94+ *7 " '0# ** . "* -5+*$+ #0 . " . 0-4*'# , 1 " : 0 F0 30# "* "4 $#"* 25"4$#0* *+' '"+* 2 " . 4*+4

B -01#0+-$+(, +1 " 94+ $"'0 0 " 4$4#+ 25+*$+ +*10; +1+' . +-$" 2+ *40 -0$4#+G0 +-'N'1", +2 '" + + . -+-$+ . +-$+ ' 3 1 *02"#(*" , "2+#+ '0' '#+* ' '+-$0# 0 " 94+ *+ 2+, #+: +-2+ 2 " #$ DS \ \ C + W B+ *40* -"$0* 2 " +/410 . +-$" +#01 2 " 4*+4(. , #+** " ' " . " '0$01" / " 2+ , -14#0*(94+ 3 *1" -0" +*$0# +11+ F2 -0 . 0 " 2+ 4#- : " . + . ' '4F"* '0; +20+* ' "# ' #+*, "-2+**+ . ' 2 . 0/- $42+ 20 + . , #+G0 94+ '#+0#0 + 94+ $+# 0 1+302 " 0 '0; " *+ 3 3+**+(*6 $+ . "* 0 +*, +#0# 94+ 01/4 . ' 2 0 3+#+0 "+* . 0 * 1 ' 14*1#020* 2 " 94+ 25"#2 -0# " " $+#- * 2+ 0* 94+ #+/+ . ' "* -+/" ' "* 25+*$0 . , "#$0-1+ ' 202+('4 2+ . ' 2+3+#0* + . ' , "# . 0 "* 0 "; #0 + #+01 *+ . ' . + ' 2 0-1+ " "#$+ ; #0 " . 4- ' , 01 "* , 10-+02"* . +1: "#0 . +4$"*

" "#1 " AD 2+"414 ; #"2+ AC6 I J ?' P

/ ' / ' ' 0 ' ' 0 '

1 ' ' 9;<

" . 0F"# /+-+#01 20 0# . 020 #0 "#2+402"(, +10 , "#$0# 0 2+ I ' 2+ 0; # 1 2+ AC76(94+(2+ 0' '"#2 " ' " . ' " 2 #+'$"# 2 " "*, $01 20 0# -: 0(K+*' "1: +**+ 2"* $+##+-+* 94+ + . ' 011+ 2+ o+; #" , +#$+-'+ . ' 0 #+, 0#$ ' 0 " 2+ . 0# -: 0 4 . 0 , "#/0 " 94+ F41/0**+ . ' . 0 * , #", # 0 , 0#0 01 ' *+ 0G+# 4 . ' 2+, "* 1"(+ *+ '41$ 30#+ . ' 0* , 10-$0*(94+ $ -: 0 . ' * 2+ . 0-2020* 3 # 2"* 2" . - +* 411#0 . 0# -"*E 0-2 " " . +* . " 2 #+'$"# +-'0##+/02 " 2 " #+ +# 2" '2+, "* $"("4 F0#2 . (+ 04'$"# *02 " 0 #+94 * $0# 0* , 10-$0*(+ 2+ . 0 * "; F+'$"* 94+ F41/0**+ -+'+**0# +* S

. ' , "#$0# 0 20 . +* . 0 20$0 "#0 . ' #+ . +$$ 20* 0 " -2 '02 " 2 #+'$"# 0* -*$#4' '"+* 94+ "*||' #4#/ "+* 20 0# . 020 2+3 0 . ' "; *+#30#(, 0#0 ' "- ' 24G #+ . ' 2"* 2" . - +* 411#0 . 0# -"*(+ 2+ "4$#"* "-2+ 0, "#$0**+ . (, #" ' 24'$"* -0$4#0+* * ' ' ' ' * ' 0 ' 2 * ' '

?' /"3+#-" . 0-2030 94+ "* ' "#0 . 0-20-$+* 2"* -03 +* 2 " +*$02 " 2+**+ . ' $"2 " " 048 1 "(+ , #+*$0**+ . ' $"20 0 ' "", +#0 0 " 0"* #+ +# 2"* ' #4#/ "+*(0 . ' 2+ 94+ +*$+* , "2+**+ . ' ; +#0 2+*+ . , +-: 0# 094+110 -

'0 . ;+-' 0(' 0G+-2" "*(' *+' -+'+**0-"' "**+(' 0F420#' -"*' *+-*' $#0;01:"*' ,"#' 01/4-*' /40#20*' . 0# - : 0*(' "4' 0*, #0-$+*' 20' *40' /40#- /0"

#0 . ' "*' ' #4#/ "+*' 20' 0# . 020' +-'0##+/02"*' 2+' $#0G+#' 2"*' 2 +#+-' $+*' ,"-$"*' 20*' ,"**+**"+*' 41$#0 . 0# -0*' ,"#$ /4+G0*(' "4' 2+' "41#"*' "-2+' 0,"#$0**+ . ' "*' -03 "*' 2"' +*$02"(' "*' ,#"24'1"*' ,#",# "*' ,0#0' "# . 0#+ . ' 4 . 0' '"11+'/0"' 2+' : *$"# 0' -0$4#01' ' *+#' ,"** 3+1(11#0# 0 . ' $#+*' "4' 940' #"' 0 . "*$#0*' 2+' '020' ,#"24'1"(' +' ;+ . ' 0'"-2 ' "-020*' 0*' *+ . +-$+*' 94+' ,"2+**+ . ' ";$+#

' '02+ . 0' +01' 20*' ' +-' 0*' 0'0;030' 2+' 0G+#' . ,# . #' -' *$#4'/"+*' ,0#0' 0' ,#+,0#0/0"' 2"*' ,#"24'1"*' -0$4#0+*' ,"#' +110*' 2+3+' # 0 . ' #+/410# *+' "*' ' #4#/ "+*' 20' 0# . 020' *' -/#+2 +-$+*' -+'+**0# "*' ,0#0' 0*' ,#+,0#0/"+*' *+# 0 . ' #+94 *1102"*' + . ' *;"0' +' -"*' 2+ . 0 *' ,"#' $"*(' ,+1"' . +* . "' . "2"' ,"#94+' "' *0"' "*' . +2 '0 . +-$"*' +' 4$+-* 1 "*' ' ' #4#/ '"*' ,0#0' "' *+#3 /"' 2+' ;"#2"

020' ,#"24'$"' 2+' : *$"# 0' -0$4#01' 3 # 0' 0'" . ,0-:02"' 2"' -" . +' 2"' ,0 G' "-2+' +8 *$+(' +' 2+' $"2"*' "*' 2+ . 0 *' +*'10#+' #0+-$"*' #+10$ 3+*' 7*40' : *$"# 0' ,#",# 0(' +' 4*"*' 2 3+#*"*' +#0' 94+' :"43+**+' * 2"' "4' ,"2+**+' *+#' + . ,#+/02" ' 8 / 0 *+' 10#0;+ . ' 94+' +*$0' 2+'10#0/0"' 3 +**+' 0'"#0,0-:020' 2"' -" . +' 20' ,+**"0' 94+' $#"48+**+' "' ,#"24'$"

"2"*' "*' ,#"24'1"*' *+# 0 . ' +-$#+/4+*' + . ' *;"0' 0"' 2 #+'$"#' 2" '"*, $01' 20' 0# - : 0(' +-'0##+/02"' 2+' "# . 0#' 0' '"11+'/0"' 94+' :03 0' 2+' +*$0;+1+'+# *+' + . ' 4 . 0' 20*' *010*' 2"' #*+-01' 20' 0# - : 0

?' /"3+#-"' +-'0#+' 0' /#0-2+ . +-$+' 0"*' 0'41$01 3"*' 2+' ;"#2"' +' 0*' 04'$"# 202+*' 2 3+#*0*' 0' . ,"#$0-' 0' 2+*$0' -'- . ;+-' 0(' '"-* 2+#0-2"' 0$+' ' 2+*+ . ,+-:"' 2+110(' 4#0' $ $41"' ," # ,0#$+' 2"*' ' #4#/ "+*' Z20' 0#R . 020(' '" . "' 0' '"-'"##+#' '" . ' "*' "41#"*' ,0#0' *+#+ . ' 0$$+-2 2"*' +#0' *40*' ,#+$+-/"+*

#0' . - *$#"' 20' . 0# - : 0' +' 1$#0 . 0#' "' 3 *'"-2+' 2+' D' 20' 0-' 2+ #0' B41$. 0 . +-$+' . 0#94+G' 2"' . +* . "' $ $41" (' +' $0-$"' ;0*$0' ,0#0' 94+' 0"' /"3+#-"' 1+ . ;#0**+' 4 . 0' $0"' 114*$#020' ,#"3 2+-' 0

(!+F0' ' 94+' 2 **+ . "*' 0' #,*,+ $"' 2+*$+' ,"#$4/4+G' 114*$#+' B 011+' 2"' + . ' 6' 2+' 0-+ #"' 2+' ACV6' -"' $" . "' 3 (' ,0/' 7C1' 0 7CC

J ʿ %% J

0 / /ʿ / ʿ ʿ = / ʿ ʿ ʿ / ʿ >1

"ʿ $" . "ʿ (ʿ , 0 / ʿ >Wʿ 0ʿ D6(ʿ 2+ . "*ʿ - "1 ' 0ʿ 25'*1+ʿ +*$0 ; +1+' . + - 1"ʿ 0$+ʿ 0"ʿ 2 0Z+ . ʿ 94"ʿ 011+'+4ʿ *40ʿ . 0 / +*102+ʿ . , +# 01ʿ "ʿ 2494+ʿ 2+ʿ #0 ʿ / 0 - 0ʿ B I >ʿ 2+ʿ *+ + . ; #"ʿ 2+ʿ AC7>

! 0 . "*ʿ 0 / "#0ʿ 0 , " - $4#ʿ "ʿ 94+ʿ - "*ʿ , # . + #"*ʿ 0 - - "*ʿ 2"ʿ #+ - 02"ʿ 20ʿ *+ - : "#0ʿ ʿ 0#F0ʿ ʿ " ' ' "##+0ʿ 0ʿ $01ʿ #+* , + 1"

'

. ʿ 20$0ʿ 2+ʿ ACʿ 2+ʿ "4$4 ; #"ʿ , 0#$ ' , "4ʿ "ʿ 2494+ʿ 2+ʿ 01 . +110ʿ 0ʿ "0"ʿ 0 , $ *$0ʿ ; + #"ʿ 94+ʿ #+ . +1$+#0ʿ 0"ʿ . - *$#"ʿ 2"ʿ #+ - "ʿ "ʿ " ' "(ʿ + . ʿ 94+ʿ F*$+ʿ +8 , 4 - : 0ʿ 0ʿ - + ' +** 202+ʿ 2+ʿ , #"3 2+ - ' 0*ʿ , 0#0ʿ *+ʿ +3 $0#ʿ 0ʿ #4 - 0ʿ 20ʿ + ʿ ʿ ʿ ?ʿ 2494+ʿ 2+ʿ 01 . +110ʿ $ - : 0ʿ , "#ʿ ' +#$"ʿ 94+ʿ "ʿ . - *$#"ʿ 1"ʿ #+ - "ʿ 20# 0ʿ 0*ʿ *"11 ' $020*ʿ , #"3 2+ - ' 0*(ʿ +ʿ $" . 0# 0ʿ + . ʿ ' " - * 2+#0'0"ʿ ʿ " +#+' . + - $"ʿ 2"ʿ . +* . "ʿ "0"ʿ 0 , 1 *$0ʿ ; + #"(ʿ ʿ , ʿ ʿ ʿ ʿ ʿ , ʿ ʿ 3

. ʿ I Iʿ 2"ʿ . +* . "ʿ . +Gʿ +8 , +2 4ʿ "ʿ . - *$#"ʿ 2"ʿ #+ - "(ʿ 94+ʿ + - $0"ʿ +#0ʿ "ʿ ; * , "ʿ ' " - 2+ʿ ʿ #ʿ #0 - ' * ' "ʿ 2+ʿ ʿ 4 G(ʿ 4 . 0ʿ , "#$0# 0(ʿ 94+ʿ #+ ʿ 3+1030ʿ - $+#+**+ʿ , +1"ʿ . , "#$0 - $ ** . "ʿ 0**4 . , $"ʿ 20*ʿ +110*ʿ 0#$+*

" - *$0#0ʿ 94+ʿ 0*ʿ " ; #0*ʿ 2"ʿ . 4*+4ʿ +*$030 . ʿ , 0#020*(ʿ *+ - 2"5ʿ . 4 $"ʿ , 0#0ʿ 1+ . +#ʿ 94+ʿ 0*ʿ ' : 430*ʿ 2"ʿ , #"8 . "ʿ - 3+# - "ʿ 3 +**+ . ʿ 0ʿ +*$#0 / 0X(ʿ , "#ʿ 01$0ʿ 2+ʿ $+1 : 02"*ʿ +ʿ F0 - +110*ʿ & ʿ ʿ ʿ ` ' ʿ "*ʿ +*$494+*ʿ 20ʿ / 0R 1+ - 0(ʿ +ʿ "*ʿ 9402#2*ʿ +ʿ +*$0 . , 0*ʿ 01 ʿ 2+ , "* $02"*

5+*$+*ʿ 1+# . "*(ʿ "#2+ - 030 *+ʿ 0"ʿ , #+ + $"ʿ - $+# - "ʿ 2"ʿ "4#"ʿ 94+ʿ ʿ G+**+ʿ , #" ' +2+#ʿ 0*ʿ " ; #0*ʿ - 2 * , + - *03+ *ʿ - "ʿ +2 ' "(ʿ , 0#0ʿ 9 - +ʿ *+ʿ - 0"ʿ 0# ʿ #4 - 0**+ . ʿ "*ʿ " ; F+ ' $"*ʿ 01 ʿ #+4 - 2"*Eʿ +ʿ "4$#"* . ʿ *+ʿ : +ʿ "#2+ - 030ʿ 94+ʿ - ʿ "# . 0**+ʿ '# #0ʿ 4#/+ - ' 0ʿ ʿ ʿ ʿ ʿ ʿ ʿ ʿ ʿ ʿ ʿ ʿ ʿ

#

. ʿ ICʿ 2+ʿ . 0 "ʿ - " . +"4ʿ "ʿ , #+ + $"ʿ 4 . 0ʿ ' " . . **0"ʿ + - '0##+/020ʿ 2+ʿ * ʿ ʿ ʿ ʿ ʿ ʿ ʿ ʿ * ʿ ʿ ʿ ʿ ʿ ʿ ʿ ʿ ʿ ʿ 5+*10ʿ - '4 . ; + - ' 0ʿ 2+3 0ʿ 0ʿ ' " . . *R *0"ʿ #+/410# *+ʿ , +10*ʿ - *$#4' "+*ʿ 94+ʿ : +ʿ "**+ . ʿ $#0 - * . $ 20*ʿ , +10ʿ , #+

+ $4#0(*"1 ' $0-2"5 01 0*5 0*5 ,#"3 2+-' 0*5 2+5 94+5 F41/0**+5 '0#+'+#5 ,0#0(?('0;01(2+*+ . ,+ :"5 2"5 *+45 +-'0#/"

0#0(+*$0*5 ";#0*5 . 0-2"45 "5 /"3+#-"5 0, ,1 '0#5 0(940-$ 0(2+5 6??BD???(#+ *(*+/4-2"5 "5 "# 0 . +-$"5 94+5 *+5 G+#0(+#0(2+G+#0;#"5 2+5 AC7>

5 ,#+ + $4#0(2"5 "4#"5 . 0-2"45 '" . ,#0#5 ,0#0("5 4*+4Z5 "#14+-*+5 2" *5 9402#"*5 0("1+"(-'41'02"*5 ,"#5 "0"5 0,$ *10(;+ #"(94+5 +*$030 .5 + .5 '0*0(2"5 3 *'"-2+5 2+5 5 1

.5 IV(2+5 0/"*$"5 #+'+;+45 "0"5 0,$ *$0(;+ #"5 "#2+ .5 ,0#0(. 045 20#5 $" . 0#5 '"-10(2"*5 #+ +# 2"*5 9402#"*(+5 '"11"'01 "*5 -"5 1"/0#5 '" . ,+ 5 $+-$+

"# . 0#0 *+5 0(K **"' 0'0"5 ,"#14+-*+5 2"*5 0#1 *10*5 2+5 , -14#0(6*5 '41,$4#0(+5 0#': $+'$4#0Z('" .5 0(2+-" . -0'0"5 K2"*5 . /"*5 20*5 #R 1+*($

+10(,"#10# 0(2+5 I5 2+5 -"3+ . ;#"5 2+'10#"45 "5 . - *$#"5 2"5 #+ -"5 94+5 0(#0 - :0(0, ,#"30#0("*5 +*014"*(,+1"*5 940+*5 ,#+1+-2 0(#+/+# *+5 0(;+-+5 . +# 10(0**"' 0/0"5 41#"* .5 2+'10#030("5 . " *1#"5 94+5 *40(. 0/+*$02+5 *+5 2 /-030('"4*1 14 # *+5 *

0(#+,#+*+-10/0"5 2"*5 0#1 *10*(94+5 "'0* "-"45 0*5 ,#+'+2+-1+*5 #+5 *"14/"+*(0G 0 *+5 301+# 0(' #'4$-*10-' 0(_

5 #0(0** .(94+5 0(#+,#+*+-$0/0"5 *+5 #+ +# 0(0"5 ,+# "2"5 . "2+#-"E . 0*5 +' '+#1"5 94+5 +8 *$ #0(0"1+*5 0(0**"' 0/0"5 2"*5 0#1 *10*('" .5 0(2+-" . -0/0"5 2+5 K # . 0-202+5 2+5 5 4'0*S(94+5 + . ;"#0(-"5 ,# -' , "5 $ 3+**+5 4 .5 '0 5 #0 '1+ 5 2+ 048 1 "5 . 4$4"5 +-$#+5 "*5 0**"' 02"*(#+ "# . "45 -"*5 -* 2"5 *+ 5 '41"5 83 5 5 *+4' '" . ,#"#" **"5 -"5 *+-1 2"5 2+5 '"-*$ $4 # 4 . 0(0'02+ . 0(2+5 ;+110*5 0#1+*

+F0(-"5 $" . "5 -(,0/5 7A I5 0(0(7A6("5 '0, 141"< (

. A 2+5 . 0 "5 2+45 *40(. 0/+*$02+5 14 ,+-0$ H5 4494+G0(2+5 #0 5 /0-/0(0('" . ,+$+-$+5 "5 "#2 .5 ,0#0(94+5 "5 '"#"-+1 . +-$+1 1+30**+5 0"5 2 #+'$"# -$+# -"5 2"5 4*+45 "#14+-*+5 0(+*,020(2"5 2494+5 2+5 #0/0-/0(" +#+' 20(I ' 202+5 2"5 "#$"(+5 ;+ .5 0** .5 "5 ':0,+45 '" .5 94+5 +*$+5 41R $."5 2+*+ . ;0#'2#0(-0* 5 5 +5 "5 "'41"5 '" .5 94+5 "5 . +* ."5 ,# -' ,+5 G+#0($"20(0('0 . ,0-:0(20(#+*$04#0/0"5 2"5 :#"-"5 +5 20* 1 ;+#5 202+*5 ,01# 0*

+ $"2"* +*$+* ";F+'1"* 0G 0 0 2494+G0 3 430 2"0/0" 0" 4*+0 "#$4+-*+(,0#0 94+ -4-'0 . 0 * 2501 ,"2+**+ . *0 #

"3 " 2 #+'$"# -$+# -" 2" 4*+4 "#$4+-*+("0" 0,$ *$0 ;+ #"(94+#- +*'#+3+4 0" . 0#94+G 2+ +*+-2+(,+2 -2" 1:+ 94+ *" 1 ' $0**+ 20 . ,+#0$# G 3 430 0 '"-'+**0" 2+ 4 . ";F+'$" 94+ 1 3+**+ *+# 3 2" 0" 2494+ 2+ #0/0- 0

#

? 2+'#+$" 2+ AI 2+ *+$+#0;#"(4#0 2"* ,# . + #"* 02"* 20 0 . "*0 2 '$024#0 2" 0--" 2+ AC76(6 4 . 2"'4 . +-$"||*4 . . 0 . +-$+ -$+#+**0-$+ + 2+ $"2" " ,"-$" +**+-' 01 '" . #+10/0" 0" +*$0;+1+' . +-$" 2+ 94+ $#0 $0 . "* -5+*$+ '0, $41"

16 ,#+0 . ;41" 25+**+ 2+'#+$" -"* -*, #0 " . 0 * 3 3" -F+#+**+(,"#94+ +-10/0 0 . + . "# 0 2" . . "#$01 2494+ 2+ #0/0-/0 '" . 0 2+ *40 04/4*$0 1:0(0 *+-:"#0 0# 0 (0 ,#","* $" 2+ 4 . 0 4-20'0" + . -+-$+ . +-$+ ' 3 1 *02"#0

* 094 +**+ #+'" . . +-203+1 2 ,1" . 0 " ' 01<

K +-2" + . '"-* 2+#0'0" 94+ . +4 04/4*1" ,0+(2+ *042"*0 . +R . "# 0(1+302; 2" 2+||*+F" ,#" . "3+# 0 ' 3 1 *0'0" 2"* ,"#14/4+G+*(2 4-2 # " /"*$" 2" ;+11"(+ ,#","#' "-0# $"2"* "* . + "* 2+ 048 1 0# 0 -*$#4'/0" ,4;1 '0(& '#+0# -0 ' 202+ 2" "#$"(+-$#+ 0* 02 /0* 20 /4+##0(4 . * * $ 94+#+-2" +4 0**+/4#0# 0 +8 *$+-' 0 2+ $0" 4$ 1 +*$0;+1+' . +-1"(+(0G+-2" 1:+ "* ,"** 3+ * . +1:"#0 . +-$"*(2+$+# . -0# -$+# ,0 . +-$+ "* 3+-' . +-$"*2+ *+4* 0'$-0+* + . ,#+/02"*(;+ . '" . " 0 940- 1 0 -2 *,+-*03+1 ,0#0 " *+4 '"*$+0 . +-$"<' :+ ," Z ;+ . 2+'#+$0# " *+ /4 -$+<

#$ AS '0 *4;* *1 -2" -0 0-$ /0(. 4 $" -";#+(+ *+ . ,#+ 1+01 ' 202+ 2" "#$" " . 4*+4 2+ , -$4#0*(+*$0 . ,0*(+ "4$#"* ";F+'$"* 2+f ;+110* 0#$+*(94+ 01 0':0 "#/0- *02" ,"# . +4 04/4*$" ,0+(2+ *04R 2"*0 . + . "# 0 Z

#$ I S ? 1+-$+ 2+ 2+*+-:" 20 '02+ . 0 2" " . . +#' "(+ 0 # -:0 20 ' 202+ 2" "#$"[+# '"-F4-'$0 . +-$+ 2 #+'$"# 2" 4*+4 "#R $4+-*+('" . 0 /#0$ '0/0" 0--401 2+ I??BDB??? #+ *

#$ 7S B *$0;+1+'+ "* 3+-' #0+-$"* 2"* 2+ . 0 * + . ,#+/02"*(+ "* . + "* 2+ *4, ,# # 0* 2+*,+G0* 2" +8,+2 +-$+

#$ ||| >S ? 02 . - *$#02"# /+#01 2" 2 *$# '$" 02 . - *$#01 3" 2" "#$"(2+ 0'"#2"||| '" . " 2 #+'$"# 2" 4*+4 "#$4+-*+(02",$0#2 $"20* 0* . +2 20* -+'+**0# 0* ,0#0 94+ 094+11+ +*$0;+1+' . +-$" *+F0 940-$"

0-$+* #0-94+02" 0"* 0#$ *$0* + 0" , 4 ;1 ' "(+ +11+ , " , "# $"20* 0* , #" 3 2+-' 0* ' "-3 - : 03+ * , 0#0" " *+- , #" /#+** 3+ 02 0-$0 . +-$+

B? 2+'#+$" 6 2+ 0#0 - : 0 0 *+- : "#0 (0# 0 E + #+ +#+-202" , +1" . - *$#" 2" #+ " " 94+ +-10" +#0(0-4+1 20 130 0**+*

4-'0 *+#0 2+#0\0 * #+' "#20# /#0$ 20" , 4 ;1 '0 "* 0'$"* /+-+#, *"*(+ . 0 "# . +-$+ 094+11+* 94+ ;+-+ ' 0 . +*$0 ;+1+' . +-1"* 2+ 4$ 1 202+ /+#01

5+*$+ *+-1 2" 30 . "* 0, #+*+-$0# 09 0 $ * 5 B E \B>

K --0 . 1 0 2+ "4#+ J 4 . +*$42" 0 10, *(' ", 02" , +10 " +#+-1+ 2" ;+11" 9402#" 2+ #0# 03 2E "#-02" ' " . *40 . "124#0

? ' "-*+1: + #" -$"- " "094 #0 20 "*$0 0#301: " J 240* , : 2'0* , #+, 0#020*

-$"- " 0#2"*" +#+ #0 +##0G J 0 ;+110 /#034#0 2+ 0 . ;"G(. , #+**0 , "# 1"$(' ", 020 2" 0 . "*" 9402#" 2"* , 0*$"#+* 20 #'0R 2 0 , "# "4** -

-$"- " 20 "' : 0 0#1 -* 4#102" J 4 . *0-'$40# " 2+ ;48"(+- '+##0-2" +-: "#0 ' " . " . +- -"(' "#"020 , "# 2" *0-F"*(+ 02"#020 , "# "4$#"* 2" *< 1+ . 240* , "#$0* 2+ , 0#(+ +#0 4#00 25+110* *0-$0 0#R ;0#0(+ -0 "4$#0 *0-$0 0$;0# -0($+-2" -*'# , , "+* /"1: '0*(+ 10$ -0*($42" +8+'4102" ' " . , 0' +-' 0 #0#0

-$"- " "*6 0* 4 . 0#0+* J 4 . 9402#" 0 "1+"(#+, #+*+-$0-2" +-: "#0 + . . +2 $0/0"(' "-* 2+#02" -" +*1N1" 2+ 0#1" "1'+< ++ . 2 . +-*"+* 0" -0$4#01(+ ' " . . "124#0 2"4#020

+#-0#2" 4 G +#-0-2+* 13+* J 240* +8'+11+-$+* /#034#0* 2+ "R 30- - "1"(# '0#0+-1+ +-'0 8 1: 020*(#+, #+*+-$0-2" 4#00 J 4 , 1+# 2 * 0#/02" + . 0$N#" *4#, #+: +-2+-2" 01"-0E "4$#0 0-0 2+*, +#1020 , +10* - 0* +#+'+4 . 0 * 4#- ;0 8" #+1+3" +#Q , "#'+10-0(-3+-$020 , +1" ;# /02+ #" 0#$: "1" . +4 20 "*$0(#+#, +*+-\$0-2" 0 . 0' : -0 ' " . 94+ *+ *4*$+-$"4(+ , "G -" '0##" 2+ $#0-*, "#$+(\0 +*$0$40 +94+*$#+ 25+1 #+ " "*+ < ;+#0 ' " . " 4 . 0* 0# . 0* #+0+* + . ;0 8" #+1+3" -0 . +* . 0 . 0$+# 0

+-$" "*+ 20 "' : 0 J 4 . 0 ' ";#0 ' : 0#0020 ' "#01(+ 4 . 10'#0" 2" #0* 1

" . -/"* ;+ #" 2+ 0# 0 J 4 . 9402#" 0 "1+" #+, #+*+-$0-2" 4 '1 2+*(+ . 2 . +-*"+* 0" -0$4#01< 6 "# / -01 2+ "0" 0, 1 *10 +GG+$10(+ . 4 ;+ . ' "-*+#302"< ' " . . "124#0 2"4#020

#0-' *'" +2#" 25 1 3+ #0 + "4G0 J ? ;4*$" 2+ *40 . 0/+*$02+
2+1 ** #00 ";*+#3020 ,+1" " +#+-1+ -" 02" + . 94+ *40 . 0/+*$02+ 3
* 1"4 . 4*+4 + " ;4*$" 94+ +8+'4$"4 2" +8 U U "*+ +##+ #0 "#/+*
0*,0# 4+#-'# 2+ G+3+2" J 4 . 9402#" 0 "1+" 2+" $",01 . "*25011"
+ ' -'" 2+ 10#/"('" . . "124#0 2"4#020(#+,#+*+-$0-2" " $+#-" '+#
'02" 2+ /1"# 0('" . $+ . ,10-2" +* * :# *$" . "#$"< 6 #+,4102" ;"0 '"
,0 2+ 4 2" +- (,"# "0" 10 . 0
"0--0 0#1"$0 2+ # $" + 4-:0 J 4 . +*142" 0 10, *(20
/4#0 25 $010 '"-24G 20 0" $4 . 41"('", 02" 2" 9402#" 2+ #"2+$< +
+ . 2 . +-*2+* 0"Y-014#01(+ 2+*+-:02" '" . #0-94+G0 -"$03+1 + /"*$"
J *$0 20 '"*$0 2+ "# . 0-2 0< + $0 . ;+ . ,#"24')0" 20 " +#+-1+
"0" 1 +- J ' -'"+-$0 . +201:0* 2+ ,#010(#" . 0-0*(. ,+# 0+*(
'"-*410#+*(+-$#+ 0* 940+* *+ 0':0 . 01/4 . 0* . 4 #0#0* . +201:0* ,"#
$4/4+G0* 2+ ,#0$0E 0 +*10140 +94+*$#+ 25+1 #+ "*6 E 0 ' 202+ 2"
"#$" ;+ F0-2" 0 . 0" 0",# -' ,+ #+/+-$+ "0"E 1+ . +-$+ 8 3(+8
,41*0-2-"* F+*4 $0*E '"-'"#2 0 +-$#+ 0 '6#$+ 2+ "#$4/01(+ 0 '6#$+ 2+
" . 0 + . AVV?E 0# 0 (+ +2#" (2 $0 + . '";#+ +#+'+4
. 0 * ' -'" +*$0 . ,0* + . . 0/- '"* '08 1:"* #+,#+*+-$0-2"< "*' 0 '"-
2+ . -02" 0 . "##+# 2+ " . + +-$#+ "* *+-* 940$#" 11 "*E ;#0:0" +8
,41*0-2" /0# '" . *+4 1 :" * . 0+1E +1 *0# "(*4#,#+G0 2" #+ +1
. +#" -" 0'$" 2+ #+'"-:+'+# -" *+4 :"*,+2+ " - +1 G +1 *0# "E 0-:"
2+ 0-0(,"# -- ;01 0#0''
"0" + 8+ #0 2+ +11" J 2" * #+1#0$"* 0 "1+"(+ . 2 . +-*"+* 0"
-0$4#01 '" . . "124#0* 2"4#020*(+ #+,#+*+-$0 . < 4 . (" +8 . " #0-R
' *'" 0-4+1 2" 0*' . +-$"(+-$#+ "* ,"+$0* ,"#14/4+G+*(1 -$" 1
* "< "41#"(2" ':#"- *$0 . "# 2" #+ -" ,0" +#-0#2" 20 "':0(2+
,4$02" * '"#1+* + . AC76
"0" 0,$ *$0 ;+ #" J 2" * 2+*+-:"* 0 ; *$#+("# / -0+* 2+ + .
,+*$+*(#+,#+*+-$0-2" ;0$01:0*(+ 0** /-02"* ,+1" 04'$"#E 4 . 2+*+-:"
"# / -01 2+ -- ;01 0#0'' (+ $" ,+--0(#+,#+*+-$0-2" 4 . :"#0+ .
0F"+1:02"< " '"-24G 2" 2+ " . 0 0 +*10 ' 202+ ,+1" ,"#$4+-*+ "*+
+ 8+ #0 0##+$"E 2" * 2+*+-:"* . ,#"3 *02"* 0 ,+--0 ,+1" -"**" 0
. "*" " . -/"* -$"- " 2+ +94+ #0('4F"* 0**4 . ,$"* :+ "#0 . 202"*
,+1" " +#+-1+E 4 . 2+*+-:"(0 10, *("# / -01 2+ +#0#2(#+,#+*+-
$0-2" #+1#0$" 2+ "*+ 0# 0 2+ "4*0(#0"#/02" 2+ 0$:+4*(. 0-
202" 2+ 0# * ,+1" 04'$"# 0" " +#+-1+(-0 +,"'0 + . 94+ ,4;1 '"4 0
'0 +2 /0" 2"* + . ACAVE + 4 . 0 . +201:0 2" #+1#0$" 2" . +*
. " +#0#2(0'" . ,0-:020 2+ '0#$0 20 *40 1+$$#0
"0" "/" "' J . 0-2"4 2+ -/10$+##0 $#+* ",$. 0* /#034#0*(
#+,#+*+-$0-2" "* #+1#0$"* 2"* ,#+* 2+-$+* 20 +01 '02+ . 0 20* +1

10* #1+* + . "-2#+* J # "*4+ +N-"12* J +-F0 . - +*$ J #
:" . 0* 0b#+-'+
"0 :" . 0G 2+ 0#301:" J 0 ;+110||+2 '0" + . "1 " 20* ";#0* '" .
,1+10* 2+ #0-' *'" "2# /4+* ";"
"0 "/4+ #0 0-2#0 J "#+$#0$" 2+ 44- " "0#+* 25 G+3+2"(+ .
+*'41,$4#0(2 /-0 ,#"24'/0" 2+ "0"|| "*6 #0/0
"0" 2"* 0-$"* +-2+* J 01'"/#0 0 25+110 "1"--0 -$"-0 2 |
3 *0 - $03"1+E 2"G+ #+$#0$"* 2+ , -$"#+* 0-$ /"*(/#0302"* 0 ;4# 1(
+ '"1"# 2"*E 2" * 1 3#"* 2+ +*$42"(2+*+-:02"* + 0--"102"* ,"# "*+
+ 8+ #0 0##+$" -0 *40 3 0/+ . 2+ " . 0 0 +-+G0(+ 25+*10 0 0240(
-" 0--" 2+ AVW < ";#0* . 4 $" -$+#+**0-1+* ,0#0 0* 0#1+*E 2" * 2+*+
-:"* ,0*$"# * 0 ,+--0("# / -0+* 2" ,"#$4+-*+ "094 . 0#-+ #" 20
130
"*6 1+41+# " 0#;"*0 2+ .0 J +1+'$ "- " "#-0 .+-$* "#1:+
4*+" " ', 41$"#*(0 -$+#* +$' J +1+'$ "-" " #': $+'$4#01 0-2" 1 +# "#R
-0 .+-$*(#++a(". 0- i $01 0-
"*+ +-2+* #0/0 J ? : * % C
+-# 94+' 2"* '" . #+$#0$"* 2"* #+ * 2+ "#$4/01
"*+ " . +* "-$+ #" J 0* - $ 20* +2 /"+* 2+ 1 '+-$+ + 0 ."+*(
2+ 94+ "#0 +2 $"# '" . 0##+$" + "
0-4+1 20 "-*+'0 -$" J "* ;4*$"* 94+ G+#0 2,* #+$#0$"* 2+
40 .0/+*$02+* 2+1 ** . 0* + . ,+# 0+*
+2#" + 8+ #0 2+ +11" J '0* 3 *$0* 20* . 0#/+-* 2" 0 . *0
0N . 4-2" "094 . 20 "*$0 J 4 . /#0' "*" 2+*+-:"(0 10, * 3+#
. ,1:"(#+,#+*+-$0-2" 0 0 . 1 0 0/#020(,#"24'/0" 2" " +#+-$+ J
3 * % 2 #+'$"# -1+# -" 2" 4*+ "#$4+-*+Z(

'0#$0 2+ 1+ 2+ 7? 2+ F41:"(-" 0#$ /" >S(. 0-2"4 94+ 0 '0 . 0#0
. 4- ' ,01 2" "#$"(2+ 0'"#2" '" . 0 '02+ . 0 20* +110* #1+*("#
. 0**+ 4 . #+/410 . +-$" ,0#0 94+ " 4*+4 "#$4+-*+ 2+ +*$0 . ,0* +
, -$4#0* ,"2+**+ *+#3 # -0" *" ,0#0 " 4*" ,4;1 '"(. 0* $0 . ;+ . ,0#0
2"* ,#" +**"#+* + 014 . -"* 94+ #+94+-$0**+ . 0 '02+ . 0 20* +110*
#$+*

, #@0 8-* 5
*

$ Q 0 0$, &,0 B# I , 78;<

" +*$0 0 1+ 94+ '"-'+2+ 0 '0 . 0#0 . 4- ' ,01 2" "#$" 0 ,#" ,# +202+ 20 '+#'0 2" +81 -'$" '"-3+-1" 2+ 0-$" -$"- " 20 . +* . 0 ' 202+(+ 0 ,0#$+ 2" #+ +# 2" '"-3+-$" 94+ *";+F0**+ 2+," *' 2+ -5+11+ *+ 0G+#+ . 0*' '0*0*' -+'+**0# 0*(,0#0 " +*$0;+1+' . +-$" 20 ;1 "$:+'0 4;1 '0(2" 4*+4 "#$4+4*+ 2+ +*$0 . ,0*' + , -14#0*(+ 20 '02+ . 0 2+ +110*' #$+*('" . 0 '"-2)0" 2+ 0G+# 0 '0 . 0#0(+ . 2+$+# . "02" ,#0G"(0*' ";#0*' -2 *,+-*03+ *' ,0#0 " -2 '02" +*$0;+1+' . +-$"

"3 #0 A? 2+ F411 " 2+ AC7V "#2+-"4 " /"3+#-" 0,+#1020 . +-$+ 0" /"3+#-02"# ' 3 2" "#$" 94+ 2+**+ 0*' ,#"3 2+-' 0*' -+'+**0# 0*(,0#0 94+ 0 '0 . 0#0 ,#"/#+2 **+ -0*' ";#0*' 2+$+# . -020*' ,+10 '0#$0 2+ 1+ 94+ 2+ 80 . "*' 0,"-1020 #0 1+302" " /"3+#-" 0 $" . 0# +*$0 #+*"14 0" ,+$" 0'$" 2+ +*$0#+ . 4 $" 1"-/+ 2" *+0 '" . ,1+ . +-$" 0*' -2 '0 20*' ";#0*E 940-2" 01 0*' +#0 . +1 0*' 0 '"-2 ' '" . 94+ :+ :03 0 * 2" '"-'+2 20 0 ,#",# +202+ 2" +8$ -'$" '"-3+-$" 2+ 0-$" -$"- " 20 #0+* . 0 ' 202+

0*' $0#2+ $+#+#0"*' "''0* 0" ",,"#$4-0 2+ "1 +#+'+# 0"*' 1+ $"#+*' #'4 . *$0-' 020*' -"1 ' 0*' 0 #+*,+ $" 2" 5

++ 1+ 1 + + 2 +/ ;

. 4#00 ,"#$0# 0 94+ " . -*$+# " 20 #00# -:0 2 # / 4(-"*' ,# - ' , "*' 2" 0--" 2+ AC7?(0"*' /"3+#-02"#+*' 20*' -"**0*' ,#"3 -' 0*' 41$#0R . 0# -0*(2 G 0 *+ 94+ "-0" /-"#030 .'+11+*' " 940-$" '"-3+ . 0"*' -$+#+* *+*' 2" +-* -" +Z+*142" 20*' *' +-' 0*' -014#0+*(+ " 940-$" . ,"#$0\|0" 2+*+-3"13 #0+-$" 2"*' -"**"*' +*$0;+1+' . +-$"*' 2+ -*$#4''0" ,4;1 '0 -5+*$+ #0 . " 20*' *' +-' 0*(94+ *+ ,#"'4#+ +-# 94+'+# "*' '+ 04/ . +-$0# . '* . " '* +4 -4 . +#" S

*$+ +-4-' 02"(3+#202+ #0 . +-1+ 08 " . 0$ '"(+ 2+ ,+# * ';0*$0-$+ ,0#0 2+ . "-*$#0# 0 . ,"#$0-' 0 2" 0**4 . ,$" 2+ 94+ *+ #0$0 -5+*$+ '0 , 141"

0*$. 0 . "*' 94+ -"*' *+F0 3+202" +-$#0# ' 0 $01 #+*,+ $"(-"*' 2+*+- 3"13 . +-$"*' 2+ 2 3+ E*0 -0$4#+G0 94+ " '0*" ,+2 # 0(*+ 0 '"#0,+1+-' 0 *' +-$ '0 -"*' 2+**+ 04'$"# 202+(+ *+ + . ' "4$#" $+##+-" +*$ 3+**+ . "*' '"11"'02"* 0*(,+10 '"-2 /0" +*,+' 01 2" -"**" , 0-"(,"2+ . "*' 2,+-0*' $" . 0# -"$0 2+ 01/4-*' 2 ,1" . 0*' " ' 0+*(+ 2+ . 0 "4 "4$#0 -2 '0/0" 94+ -0$4#01 . +-$+ *+ -"*' " +#+/0

" . 4 $" 0" '"##+# 20 ,+--0 ";*+#30#+ . "* 94+ 0 ,0103#0

25+*$0*' *' +-' 0*' 1"#-030' -2 *,+-*03+ *(' +' '" .' 94"' *+' 30"' 2 10$0-2"' '020' 3+G' . 0 *' "*' *+4*' :"' *"-$'*'

.' '1 +/0-2"' 0"\#+ +# 2"' #+ -02"' 1+#+ . "*' 0' *0$ * 0/ "' 2+' +8 , "#"' 94"' *+' +G' 0' 101' #+*, + 1"(' -"' 1"4303+1' -41"' 2+' 0,#+ + /"0#' 4#-' +*$0;+' 1+' . +-$"' . , "#$0-$ ** ." ' 5+*$+' . + "' $+ . , "(' +' ,#+' *0 . +-1+' -"' -2 ' '02"' '0, $41"' < ' ' : ' $"#00#+ . "*' -"10' 2+' 94+' "' '"# ' #+4' -"' #+ -02"' 20' *+-;"#0' ' 0# 0' ' '" .' ,'10/0"' 0"' . 4*+4

5 ' ' . $ ' " ' '

' 2+*-+'+**0# "' ,#+3+- #' "*' 1+ 1"#+*' 2+' 94+' -0"' ':+/"4' 0 -20' 0' ", , "#$4- 202+' 2+' 0110#' 2"' #00/- '"' . 4*+4' 94+' :"F' 02 . #0 . "*' -"' +2 ' "' 20' *'"10' "1N$+':- '0 .' '"-2 /4+*' . $"' . 0 *' #0"2+*$0*+*' $030 .' "*' . 4*+4*' 20' '0, $01' -"' ,+# "2"' + .' 94+' "#0' 30 . "*' -5+*$0' +*' '# ,$4#0' BAC7>' 0' AC"7F' ** .' . +* . "' +' 2+3+#' -"**"' 0,"-$0#' "' 94+' 2+' . 0 *' -$+#+**0-$+' *+' -"*' " +#+'+4' -0' ; *1"# 0' 2+' $01' 6,"'0

#

?' 2+'#+1"' 2+' I?' 2+' "414;#"' - ' ' ' ' ' ' ' ' ' ' ' ' ' $ ' ' ' $

+10' ,"#10# 0' 2+' I>' 2+' -"3+#0;#"' "' 2+$+# . -02"' 94+' 0' ' ' ' - ' ' (' ' ' ' ' ' ' ' ' * 2' ' * ' ' ' 6% ' ' ' ' ' ' ' ' ' ' , 2' ' ' '

#

+1"' 2+'#+$"' 2+' IV' 2+' 0/"*1"' "' "' 5 ' ' . ' " ' - ' ' $ ' * ' ' ' ' % ' ' ' ' '

' -0"' *6' ,0#0' 4*"' 20*' ,#+1+'/"+*' 20' 0410' 2+' G""1"/ 0' +' 0-0$"#" 0' '" . ,0#020(' 01' +*$0;+1+' 20(' . 0*' $0 . ;+ .' ,(0#0' 94X' '0**+' ,0$+-$+' 0"' ,4;1 '"' -"' '+-1#"' 20' '0, $01(' 0' .' 2+' "1 +#+'+#' 0"*' +*$42 "*"*' "*' . + "*' 0'+ *' 2+' 0, ,1 '0/0"

!+F0' -"' $" . "' 3 (' ,0/' AI>(' "' 94+' 25+*$+' 2+'#+1"' 0,"-10 . "*' $0 .

' % ' * ' ' ' ' ' ' ' * * ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' < ' ' : ' ' 2'

' ' 78 9' <' ;L' $ ' "#' 78E:' $#)' " ' Q & ' 0 0' "- B #%

;+ . 0 #+*,+ $" 2" 0#2 . "$0- '" 20 F420(2+ 94+ " . +*#0" 2+'#+$" +*,+' 01#0+-$+ 011030

0;+ . 094 01/4 . 0* -"1 ' 0*(94+ +-'"-$#0 . "* + . 4 . +*'# ,$" +*R ,+' 01(*";#+ " +*$02" 2" 4*+4 20 F420 + 20 *40 . 420-/0 ,0#0 " +2 ' " 20 '02+ . 0 +01 20* ' +-' 0* 2+ *;"0

?' 4*+4 20 F420 '"-$ -:0 4 . 0 '"11+') 0" -4 . +#"*0 2+ +8+ . ,10 #+*(;+11"* + 301 "*"* 01/4-*E . 0* 0** . + . +* . " +#0 2+ ' +-1+(+

"# "4$#" 102"("* +8+ . ,10#+* +8 *1+-1+* -0" +*$030#0 . +1:"2 '0 . +-$+ 2 *,"*$"* + 2+-" . -02"*(+ . '"- "# . 202+ '" . " +*102" 20 *' +-' 0 -5094+110 +,"'0

" . " 0'0;0 . "* 2+ 3+#(+ . AC76 ,0**"4 " 4*+4 20 F420 ,0#0 0 '02+ . 0 +01 20* ' +-' 0* . 420-/0 "' + $0 '" . 01/4 . 0 ,#+ ' , 10 0"(+ *+ . 0* 2+3 20* ,#+'04'"+* + '04$+110*E 2+ *"#$+ 94+ *+ ,+# 2+#0 . 01/4-* ";F+'$"* 2+ 3+#202+ #" 301"#(. 0 "# . +-$+ -0 *+'/ " . -+#01"/ '0(+ 2+ . 4 $"* +8+ . ,10#+* '0 #0 . "* #"$41"* 94+ "* 2+* /-0 30#0 '#+*'+4 0 +*1+ 41$. " -'"-3+- +-1+ " 2+ 80#+ . (-0 '"11"'0/0" -"30("* #"$41"* '0 2"* + . "; F+'$"* 0 94+ -0" ,+#$+-' 0 .

" +-10-$" 0 ,0**0/+ . 2" . 4*+4 ,0#0 0 '02+ . 0 ;+-+ ' "4 " +* $0;+1+' . +-$" 0$+ '+#$" ,"-$"(+ $0-$" 940-$" " ,+# . $$ 0 . "* #+'4#*"* ,+'4- 0# "* 2+ 94+ 0 2"4$0 '"#,"#0/0" 2 *,4-:0 ,0#0 " '4*$+0 . +-$" 20* 2+*,+G0* 94+ 4 . $0" . +1 -2#"*" *+#3 /" "''0* "-030

d 2+F4*$ /0 2 G+# 94+ " +2 1' " 20 '02+ . 0 -0" $ -:0 *010* ,#"Z ,# 0* ,0#0 0'" . ."20Z/0" 2\094+11+ +*$0;+1+' . +-$"< " 94+ 04/ . +-$030 0* 2 '41202+* -" '"-*+/4 . +-$" 2+ /#0-2+* #+*41102"*0 *'#+$0 . +-$+ ," * *+ +*'#+3+4E * , 2 * * 2 &

"* 1+ 1"#+* -$+#+**0 $+# '"-:+' #0+-$" 2" 94+ -5+*$+ ,0#$ '410# *+ +G -" #+ -02" 20 *+-:"#0 0# 0 (0-$+* 2+ *+# '" 1"'02" " #04 *+4 -0* 0,#",# 020* *010* 2" +2 ' " 20 *'"10 "1N$+':- '0

. 2"'4 . +-$" 04$:+-$ '" 2" . +02" 2" 0--" 2+ ACD> -"* . - * $#0 -"1 ' 0* 2" +*$02" + 9-+ *+ +-'"-$#030 +-$0" " . 4*+4E 2+3 2" +**+ 2"'4 . +-$" 0" *+#3 /" + +* "#/"* 2+ 99+ . 0$+ +-$0" 1 20#0 -0 20* * '0/0"(+ . "4$#"* $#0;01:"* + 2 1 /+-' 0* '" . ,+$+-$+*

$ 0+* &* %6%&, SO2 # "#)1 # "0 &B 0 78<8

J ' I ?W' J

' '10** '0"0"' 2"' . 4*+4' ,#"*+/4 0' '" . ' 0#2"# ,+1"*' '4 202"*' 2"' 2#' #0-' *'"' -1"- "' +#+ #0' 20' "*$0

' ' +$030 . ' '10**) '020*(+' +8, "*10*' 0"' , 4 ; 1 '"

' '10** 1'0/0"' 20*' ' , "2 0' '"-* 2+#0# *+' 1+# . -020

' '10** '0'0"' 20' ' +*1030' . 4 $"' 02 0-$020E ," *' 94"' "*' +8+ . ,10#+*' +*$030 . ' F ' "#2+-02"*' +' 2+*'# ,$"*

*$030 . ' ,#" . ,$0*' 0*' '"11+'/"+*' 2+' #"' : 0*' +' . -+#0+*' 2"' +*43 "' +' 2"' 0$

' '"11+') "+' 2+' ' + 10*' ,+1"' *#' 0#1"*' ; + #"(+*$030 . ' ,+10' . 0 "# ,0#$+' '10** '020*

103 0' 4 . 0' /#0-2+' 940-$ 202+' 2+' "**+ *' 3+/+$0+*' +' 0- . 0+*E "*' ,# . + #"*(,+#$+-'+-$+*' 0"' 2+, "* $"' 2+' : 410(+' 0-$#08 +#"' 2+' ' +R 2#"' 20' "30(0"' 2+, "* $"' '0#; "- +#"' F4#0** ' "' 2+' 0; "' "-2+/"(+' 0"' 2+, "* $"' * 14# 0-"' 2"' 4**0'"E "*' *+/4-2"*(,+#$+-'+-$+*' 0*' #"' : 0*' * ' 14# 0-0*' 2"' 1 0*(F4#0** '0*' - +# "#+*' +' . +2 0*(*4 ; '#+$0'+0*' +' '#+10 ' '+0*' 2+*' 1"'01 202+*' #+*, +'1 30*' 0*' '"11+'"+*' 0-$"' 4-*' '" . "' "4$#"*' "**+ *' - "' +*$030 . ' 0 -20' '10** '02"*

4 2030 *+' + . ' 0G+# 4 . 0' '"1 +') 0"' +*, +' 01' 2+' $"2"*' "*' , #"24'$"*' G""1"/ '"*' +' . -+#01"/ '"*' 2+' "#$4/01('" . "' #+, #+*+-10/0"' 20*' # 94+ ' G0*' 2"' -"**"' *"1"(-5+*$+*' #0 . "*' 20*' *' +-' 0*' : *1"# '" -0$4#0+*

' '"11+'"0"' G""1"/ '0' $ - : 0 *+' 04/ . +-$02"(,# -' , 01 . +-$+' , +1"' 94+' $"'0' 7"#- $: "1"/ 0(,+10' '" . , #0' 2+' . 4 1"*' "; F+'$"*' 94+' 01$030 . ' -"' . 4*+4

+'+; +#0' "' . 4*+4' 4#-' /#0-2+' -4 . +#"' 2+' , #"24'$"*' 94+' 2 3+#*0*' , +#*"-0/+-*' :+' " +#+'+#0 . (+' '" . , #0#0' -0' 11+ . 0-: 0' 4 . 0' '"11+'/0"' 2+' V??' +8+ . ,10#+*' 2+' "**+ *' ; #0': ", "2+*(+' '+, 001", "2+*(, +#$+-' '+-1+*' 0' 2 3+#*"*' $+##+-"*Z

"' +-$0-$"("' $+ . , "' " ' 2+ . "-*$#0-2"' '" . ' 0' . 0 "# +3 2+-' 0' 94+' ' 4*+4' 0' "-01' -0"' , "2 0' +"-$ -40# 0' *+# 0** . ' 02 . - *$#02"E *+-2"' #00 *' +'"-" . '"' , 0#0' "' /"3+#-"(+' . 4 $"' . 0 *' 4$ 1' , 0#0' "' +*$42"(94+' 0*' '"11+'/"+* +8 *$+-$+*' -0' '02+ . 0' "**+ . ' #+4- 20*(+' 2 *, "*$0*' + . ' +*$02"' 2+' , "2+#+ . ' *+# '"-*41$020*(-"' +2 1' "' -"3"' 20' *'"10' "1N ' $+' : - '0

. ' 3 #$42+' 20' '0#$0' 2+' 1+' 2+' 6' 2+' . 0#9"' 2+' ACDC' * ' ' 5

' ' ' ' * ' ' 8 ' D ' +' 0' +*$0' "' + $0' 0 +" . , +$+-1+' +-$#+/0' + . ' C' 2+' . 0 "' 2"' . +* . "' 0--"

' #@04' # ' ' ' E' $ ' ' 78ED' ' ' * ' ' '

% ' ' ' ' * ' ' * * 'Q 0'% 1'Q &<'"0' &,0'

"#' 0*#"

*' Z' 3- ' A>

?ˢ 2+*+-3"13 . +-$"ˢ 20*ˢ -"$ ' 0*ˢ 9 +ˢ . 4 $"ˢ ,"#ˢ . 0 "# 2+ 80 . "*ˢ 0,"-$020*(,+#$+-'+ˢ 0"*ˢ ,+# "2"*ˢ ,"*$+# "#+*ˢ 0"ˢ #+ -02"ˢ 20ˢ *+-:"#0ˢ ˢ 0# 0ˢ

)40-2"ˢ 0ˢ ,0/ˢ >I>ˢ 2"ˢ $" . "ˢ -('" .ˢ #+ +#+-' 0ˢ 0"ˢ 0--"ˢ 2+ˢ >VC7ˢ B-"ˢ #+ -02"ˢ 20ˢ *+-:"#0ˢ ˢ 0# 0ˢ (. +-' "-2 ."*ˢ 0ˢ ˢ ˢ ˢ ˢ - ˢ % ˢ 4 ˢ ,#" . +11+ . "*ˢ 20#ˢ -"1 ' 0(+ .ˢ ':+ˢ /0-2"ˢ 0"ˢ 0--"ˢ 2+ˢ >C>I(2"ˢ ,#"F+'$"ˢ 94+ˢ "ˢ /"3+#-"ˢ ;#0* 1+ #"ˢ '"-'+;+4ˢ 2+ˢ ,4;1 '0#ˢ "*ˢ +*'# ,$"*ˢ 2509 +11+ˢ -0$4#01 *$0

+*+ . ,+-:0-2" -"*I 0/"#0ˢ 20ˢ -"**0ˢ ,#" . +**0(30 . "I*ˢ ,6# 2 0-$+ˢ 2"*ˢ "1:"*ˢ 2"*ˢ 1+ $"#+*ˢ "ˢ " ' "ˢ 2"ˢ . - *$+# "ˢ 2"ˢ #+ -"(2"ˢ 6ˢ 2+ˢ F 1:"ˢ 2+ˢ >C>I(2 # / 2"ˢ 0"ˢ . - *1#"ˢ ;#0* 1+ #"ˢ -0ˢ '6#$+ˢ 2+ˢ *;"0(#+10 3"ˢ Dˢ ,4;1 '0'0"ˢ 2"*ˢ -2 '02"*ˢ +*'# ,$"*<

K + 0ˢ ,"#10# 0ˢ 20ˢ '", 0ˢ -'14*0ˢ $+#0ˢ ˢ 0ˢ ;"-202+ˢ 2+ˢ 3+#(94+ˢ -0ˢ 20$0ˢ 2+ˢ :"F+ˢ '0 .ˢ +8,+2 20*ˢ 2ˢ '02+. 0ˢ +01ˢ 20*ˢ ' +-' 0*ˢ 2+ˢ *;"0ˢ 0*ˢ "#2+-*ˢ #+'10 . 020*ˢ ,"#ˢ ˢ 8 Sˢ -0ˢ *40ˢ -"10ˢ 2+ˢ 7?ˢ 2+ˢ F411 "ˢ 41$."(0ˢ .ˢ 2+ˢ :+ˢ *+#+ .ˢ +-$#+/4+*ˢ "*ˢ ";F+'$"*ˢ 94+ˢ *+ˢ 0':0#+ .ˢ -"ˢ 0#': 3"ˢ 2"ˢ . 4*+4ˢ 20ˢ F420(ˢ ˢ ˢ* * ˢ ˢ ˢ - ˢ % ˢ* ˢ* ˢ ˢ ˢ * ˢ ˢ 3 ˢ +ˢ 94+ˢ "#+ .ˢ -+'+**0# +*ˢ 0"ˢ *+#3 '+ˢ ˢ * ˢ ˢ ˢ * ˢ ˢ ˢ ˢ ˢ * * ˢ ˢ ˢ ˢ ˢ * ˢ +ˢ ;"0ˢ . +-$+ˢ *+ˢ ,#+*1"4ˢ "ˢ /"3+#-"ˢ ,"#14/4+Gˢ 0ˢ +*$0ˢ +8 /+:' 0(,"# *+# 4$1ˢ 0*ˢ *' +-' 0*ˢ + .ˢ /+#01ˢ +ˢ 2+ˢ *4 . .0ˢ . ,"#$0-' 0ˢ 0ˢ ;+#0ˢ 2"*ˢ -$+#+**+*ˢ ,0#$ '410# . +-1+ˢ 2"ˢ #0* 1ˢ 94+ˢ "#$4/01ˢ 2+*+F0ˢ 3+# ,#"*,+#0#ˢ ˢ '"#0"ˢ ˢ 8 Sˢ *+ˢ " +#+'+(2+," *ˢ 2+ˢ . ,#+**0ˢ 0ˢ ";#0(0ˢ ,"# 2 2 *,"* '0"ˢ 2"ˢ /"3+#-"ˢ ,"#$4/4+Gˢ "ˢ -4 . +#,ˢ 2+ˢ +8+ . ,10#+*ˢ 94+ˢ *+ˢ 2+* /-+#(*"4I+-'0##+/02"ˢ 2+ˢ 2 G+#ˢ 0ˢ ˢ 8 U 94+(-0"ˢ :03+-2"ˢ -'"-3+- +-$+(*+#0"ˢ ;0*$0-1+*ˢ . 1ˢ +8+ . ,10#+*ˢ ˢ ; + .ˢ 0ˢ ,#","* $"ˢ #+/ *$+# 0*ˢ ,"-2+#0,"+*ˢ 94+ˢ 0ˢ #+*,+ $"ˢ 2"*ˢ -2 R '02"*ˢ +*'# ,$"*ˢ +Gˢ 4#-ˢ : *$"# 02"# 2"ˢ #0* 1<

K +ˢ "*ˢ #0;01:"*ˢ 2+*$0ˢ +8,+2)0"(+ˢ ,# -' ,01 . +-$+ˢ "*ˢ *+4*ˢ ;+11 *ˢ * . ,*ˢ 2+*+-:"*(. -4' "* *ˢ 2 0# "*ˢ +ˢ 30# +*ˢ . + . "# 0*ˢ '"#0,1+$0*ˢ 0'+#'0ˢ 2+ˢ 2 +#+-$+*ˢ $# ;4*ˢ 2+(-2 "*('10**+*ˢ 2+ˢ 0- . 0+*(/+-+#"*ˢ 2+ˢ ,10-10*(+$'ˢ :"-3+**+ .ˢ 1"/"ˢ * 2"ˢ ,4;1 '02"*(0ˢ 4#",0ˢ :"43+#0ˢ '"-:+' 2"ˢ $# -$0ˢ 0--"*ˢ 0-$+*(,+1"*ˢ $#0;01:"*ˢ 2"ˢ 2#ˢ 1+80-2#+ˢ +ˢ 2"*ˢ *+4*ˢ 2+*+-:02"#+*(. 4 $"*ˢ 0'$"*ˢ +ˢ #+*41$020*(2+ˢ 94+ˢ *"ˢ $+3+ˢ -"1 ' 0ˢ ,"# +*'# ,$"#+*ˢ +*ˢ $#0-/+ #"*(94+ˢ 01/4#00*ˢ 3+G+*ˢ -0"ˢ G+#0 .ˢ #00 *ˢ 2"ˢ 94+ˢ $#0-* . $$ # 11 +ˢ ";*+#30,"+*ˢ 94+ˢ "*ˢ -"**"*ˢ :03 0 .ˢ + 1"(2+ 80-2"ˢ "*ˢ *+4*ˢ +*'# ,$"*ˢ -"ˢ ,6ˢ 2"*ˢ 0#': 3"*ˢ "F+(2+ˢ ,"4'0ˢ . ,"#$0-' 0ˢ ,"2+# 0 .ˢ *+#ˢ 0ˢ . 0 "# ,0#$+

25+**+*' +*'# ,$"*(0$#0G02"*' +#0' #+10 1 "' 0*' *' +-' 0*(+' . +*94 - :"*' ,+10'
"# . 0' '"#-' 94+' +*$0"' #+2 / 2"*(, "#' . 0 *' "*1+-1"*"' 94+' *+' 0,#+*+-1+' "'
*+-' '0101"/"Z S

+'"#20#+ . "*' 094' 0' -"$ ' 0' 94+' 0' , ‖", "* $"' 20' '02+ . 0' +01' 20*'
' +-' 0*' 1 3+ . "*' F2' "' '0* 0"' 2+' 0," -10# B$" . "' 3 (' ,0/' AIW
?' /"3+#-"(+#0' 20$0' 2+' IW' 2+' -"3+#0;#"' 2+' AC>I(' ** ' ' 2
' ' ' ' ' - ' ' ' '"-'+2+-2"' 4 . 0' /501)'
'0/0"' 2+' 1 1=#+ *' 0"' + . ,#+/02"' 0' 94+#-' "**+' -'4 . ; 20' 0' '10*'
* '0' "' 2"' . +* . "' #04*+4
?' /"3+#-"' '"- "#. ;4 *+(-5+*10' ,#"3 2+-' 0('" .' 0' ,#", "*10' 20'
'02+ . 0‖

'

+-' "-0#+ . "*' 094' 4 . 0' ,#"3 2+-' 0' /+#01' 94+' "' /"3+#-"' $" . "4'
-"' 0--"' 2+' AC>C(* ' , ' ' ' ' ' ' ' ' '
' >
0' ,"#$0# 0' ' #'410#' 2+' I6' 2+' . 0 "(2 # / 20' 0"*' /"3+#-02"#+*' 20*'
,#"3 -' 0*' 41$#0 . 0# -0*("#2+-"4' "' /"3+#-"' 94+' +<$+*' #+ . +1$+**+ .' 01'
/4-*' +8+ . ,10#+*' G""1"/ '"*' ,0#0' "' /0; -+$+' 2+' ; *1"# 0' -0$4#01E' +' -5+*1+'
+-1 2"(+' ,0#0' $01' . (:+' 2+4' 0*' -*1#4''"+*' '"-3+- +- +*
' *10' ,"#$0# 0' ' ‖'410#' "' 5+ "‖'020' +' 022 $020' ,+10' 2+' AC' 2+'
+3+#+ #"' 2+' AC7?(+8 / -2" *+' -5+*$0' 41$. 0' 0' #+ . +**0(-0"' *"' 2+' '8' .'
,10#+*' G""1"/ '"*(*+-0"' $0 . ;+ .' 2+' +8+ . ,10 5+*' 2+' . -' 501"/ 0' +'
;"$0- '0' "' 94+' ,0**0 . "*' 0' 3+#' '" .' "' -+'+**0# "' 2+*+-3"13 . '4 "

. ' AC' 2+' +3+#+ #"' *4*' $"4' "' /"3+#-"' 0' ";*+#30-' 0' 20*' "#2+-*'
94+' $#0-* . $$ #0' +#0' AC>C' 0"*' /"3+#-02"#+*' 20*' ,#"3 -' 0*' 41$#0 . 0# 40*('
' ' ' ' ' - * ' ' ' ' ' ' ' '
' * ' ' ' ' '

?' /"3+#-"' +-3 030' -5+*$0‖"''0* 0"' 0"*' -2F'02"*' /"3+#-02"#+*' K -'
$#4') "+' ,0#0' 0' '"1:+ $0(,#+,0#0/0"(0'"-2 ' "-0 . +-$"(+' $#0-*,"#1+'
2"*' ,#"24'$"*' +' +8+ . ,10#+*' 2"*' $#+*' #+ -"*' 20' -01-#+G0 S

' . ' ' ' 3 ' * ' ' ' ' ' ' 3 '
' ' ' I ' 0+* &* ' ")$) $' 0 +) 06# 1
' R #@0' 0' 1 % , ' +,# #&&0+)#' $,0 0' "#' 78' "#' 5#2# # ' "#' 78; L' #' 0& +.

A>

5+**0 #04 1" -$+#+**0-$+ ,"#10# 0 ,"-'1+#030 " /"3+#-" 0 '"-3+
- +-' 0 2+ +-# 9 +'+# "* . 4*+4* +8 *1+-$+*(+ 01+ 2+ 04/ -+-10# " *+-
- . +#"

1030 . 094+11+ 2+*,#"3 2"* 2+ ,#"24'$"* 2"* $#+* #+ -"* 20 -0
$4#+G0E 0* '"1 +') "+* 2+1+# "#020*(+ 016 '"0*4 . 2"* 01/4-* 2"* ";F'
'1"* 2+ 94+ "4$#5"#0 :03 0 0;4-20-' 0

0* ,#"3 -' 0* 41$#0 . 0# -0* ,"#$4/4+G0* :03 0 . 4 $" $+ . ," 94+
,0#0 "* . 4*+4* 2+ "#$4/01 -0" 3 - :0 . "* *4;* 2 "* 2+ ,#"24'$"* '" .
94+ 0 -014#+G0 10" 1 ;+#01 . +-1+ 0* 2"$"4

? +*$42" + " +-* -" 20* *' +-' 0* -014#0+* +#0 . *+-* 3+1 . +-$+
,#+F42 '02"* ,+10 * $40'0" 10*1 . "*0(0 94+ :03 0 . ':+/02" "* -"**"*
. 4*+4*E + 0$+ ,+-*030 " /"3+#-" 94+ 0 -24*$# 0 +#0 10 . ;+ . ,#+F4
2 '020(0$1+-$0 0 -$ $ 0 #+10/0" 94+ +110 $+#-(-0* *40* 2 3+#*0* ,0# +*(
'" . 0* . +* . 0* *' +-' 0*

-20 . 0 * +#0 2+,1"#03+1 +**+ +*$02" 2+ '" *0*(0" '"-* 2+#0# *+
94+ . 4 $"* + . 4 $"* +8+ . ,10#+* 94+ 01$030 . -"* -"**"* . 4*+4*(+*
$030 . F0 *+-2" +*$4202"* -"* +*$0;+1+' . +-$"* 0-01"/"* 2"* ,0 G+* +*
#0-/+ #"* + '"-*4 02"* '" . #+'"-:+' 2" ,#"3+ 1"

5+*$0* ' #'4 . *10-' 0*(0,,+11030 " /"3+#-" ,0#0 " ,0$# "1 * . " +
114*$#0/0" 2"* /"3+#-02"#+* 20* ,#"3 -' 0* 41$#0 . 0# -0*(+*,+#0-2,
94+ +11+* #+ . +$$+**+ . ,0#0 0 . +$#","1+ "* -2 '02"* ,#"24'$"*(#+/4
10-2" *+ ,+10* -*$#4'/"+* $+':- '0* 94+ +* +#0 . #+ . +$$ 20*

'" . + +1"(0 ' #'410# +#0 0'" . , -:020 2+) *
1 * * * *
*

* ,#+2 10* -*$#4'/"+* "#0 . +10;"#020* ,+1" '"-*+1:" 20 0'41
202+ 2+ ,: 1"*",; 0 20 4- 3+#* 202+ 2+ " . ;#0(+ 3 - :0 . 0** /-020*
,+1" 3"/01 94+ *+#3 0 2+ *+'#+$0# " 2" . +* . " '"-*+1:"("*+ 0# 0
25 ;#+4(94+ 2+ 8"4 ;"0 -" . +020 2+ *40 *' +-' 0 + *+#3 /"*

+#*030 . *";#+ "* +8+ . ,10#+* 2+ . -+#01"/ 0E 2+ ;,$0- '0 B,10-
$0* 3 30*('+;"10* + #0 G+* 3 30G+*(#4'1"* + *+ . +-$+*(,0#$+* 2+ ,10-10*
-"$03+ * ,"# 01/4 . 0 ' #'4 . *$0-' 0 * -/410# E 2+ G""1"/ 0

"3 +10 '0#$0 2+ 1+ 2+ AV 2+ . 0#/" 2+ ACDA " " /"3+#-" 04'$"
02" ,0#0 +$0;+1+'+# 4#- 3+-' . +-$" . +-*01 0$+ I?? e0??? #+ *(0 4#-
-014#01 *$0 94+ "**+ +8,1"#0# 0* ,#"3 -' 0* 41$#0 . 0# -0*(-0 '"- "# .
202+ 20* -*$#4'/"+* 94+ " /"3+#-" :+ 2+**+

&, %*> #& '%# 0 0* 1 $0+(0 1 +0 : + 78EL "# $06
7LL 0 7LD

J N7; J

+1" 2+'#+1" 2+ A? 2+ 0;# 1 2+ ACDI " +-'0##+/02" " 2" $"# #+
2+# '" +1b *':2+ +8,1"#0# +" . " -0$4#01 *10 0* ,#"3 -' 0* 0 # '0-0*
2+ "#$4/01
+F0 94+ 2 **+ . "* -" 1" . " 3 ,0/ 7V6 + 7VV 0 7VW(+ 1" -"
(,0/ >AI 0 >A6

1+ 2 -/ 2, , / / 2

+10 ,"#10# 0Z2+ A6 2+ F41:" 2+ AC7C .0-2"4 *40 .0/+*102+ #+
'" . . '-20# 5 0 "#.0 0" , 2
* * '"-3 20-2" *+
"* ."#02"#+* 0 '"-'"##+#+ . ,0#0 +11+

+10 ,"#$0# 0 2+ AW 2+ F41:" 2" .+*. " 0--" 2+ AC7C .0-2"4
40 .0/+$02+ #+'" . .+-20# 0" 5 , 2
*

+10 ,"#$0# 0 2+ IC 2+ .0#/" 2+ ACDV "#2+-"4 " /"3+#-" 0"* /"
3+#-02"#+* /+#0+* 20* ,#"3 -' 0* 4 #0.0# -0*(94+ 2 1 /+-' 0**+. 4-
20#(0--+8+ 0 '020 4.0 20* *40* #+*,+'$ 30* *+'#+10# 0*(
*
*

+/ *10#+ ."* 4.0 ,"#$0# 0(94+ +#0 20$0 2+ 7A 2+ 2+*+. ;#"2+
2+ ACDV " 2 # / 20 0" * >
0 "-*$0-2" 0 *40 .0/+*102+ +1 #+ 94+ " ' #4#/ 0" 2+ I Z #10**+
20 ,#"3 -' 0 2+ -/"10("0" 0;#01 +#+ #0 0,0 + 0#"(,"**4+ *4
' '-1+* '"-:+' .+-1"* 2+ : *$"# 0 -0$4#01 .0-20 " .+*. " 04/4*$" *+
-:"# ,
* * * * *
* * * *
, 2

#+*,+ $" 2" 0**4 . ,$" 25+*1+ '0, $41" 6 '"-3+- +-1+ 1+# 0* -"
1 ' 0* 94+ "#0 . +80#020* -" $" . " 3-(,0/ >CI + *+/4 -1+*('" . #+ +R
#+-20 0 4#- +*'# ,1" 2" . 0#94+G 2+ 20 0-2+ #0(-$ $4102" / 2

3 3

% " $" . 3 (,0/ 7I7 0 7IDE +(* " 1" . ,0/ 7A7 0 7A6

2 #+'$"#2 ";*+#301"# " ,0#1 ' ,02"(+ . 20$0 2+ > 2+ -" 3+ . ;#"(94+ "* 014 . -"* 2" . +* . " ";*+#301"# " ,"2 0#0 *+# ''' "-0 2"* -" 1"'01 94+ ,0#0 **" :+* 0' 1 $030 " ; ;1 "1:+'0# " 20 ;1 "$:+'0 4;1 '0 2+ *;"0E . 0* 94+ -0" . 0-20**+ +11+ 2 #+'$"# 0G+# 2+*,+G0 01/4 . 0 ,0#0 094+11+ . (3 *$" 94+ *+ +*$030 #010-2" 2+ ,#+,0#0# -" #*+-01 20 0# -:0 4- 1"'01 ,#",# " ,0#0 0* . +* . 0* 1)"+*

'

?2+'#+$" 2+ AW 2+ . 0 " +*$0;+1+'+4 0 8 " + . *4;*1 14 '0" 20 '02+ . 0 2"* 40#20* 0# -:0*

1#+ 0* 2 *' ,1 -0* 94+ -0 *'"10 0301 2+3 0 . *+# +-* -020*(1 /4#030 . 0* 2+ 0*1#"-" . 0 +*,:+# '0 + -041 '0(0 ,#01 '0 20* ";*+#30 ;+* 0*1#"-" . '0*(+ 0 2"* '01'41"* . 0 * 41+ * ,0#0 0 -03+/0/0"

" 0#$ S 6 S +-4 . +#030 +-$#+ "* +*$0;+1+' . +-1"* 94+ '0# 0 . ,+# $+-'+-2" 2 +*'"10 " 9 6 5

+F0E 8 " 0--" 2+ AC>7(-" $" . " 3 (,0/ AA1 0 AAC

+'"-:+'+4 " /"3+#-" 0 /#0-2+ 4$1 202+ 94+ $-:0 ,#"3 -2" 20 ,4;1 '0/0"(+ 10 0--401 . +-$+ ,+10 F4-$0 20* 1"-/ $42+* 2+ 0# *(2+ 4#- '01+-20# "(0'" . ,0-:02" 2+ 10;+110* +-"1 ' 0* 2+ -$+#+**+ +4*" '" . . 4 . ('" . " $ $-1" 2+ 3 a S

5+*10 '"- "# . 202+(. 0-2"4(+ . I> 2+ 2+G+ . ;#" 94+ " 2 #+'$"# 2" ;*+#301"# " 20 0# -:0 "#/0- *0**+ + ,4;1 '0**+ $"2"* "* 0--"* 4 . * *+/ -2" 094+11+ . "2+11"('" . 0* . "2 '03"+* '"-3+ - +-1+*(+ ,#" . "3+-2" 94+ *+ 3+-2+**+ ,+1" . +-"# ,#+/" ,"** 3+1

' 6

(,"#10# 0 2+ 7? 2+ "4$4;#"‖"#2+-"4 94+ *+ ,#"'+2+**+ 0 '"- *$#4+/0" 2+ 4 . ;*+#301"# " 2+ 0# -:0 -" #*+-01 *";#+ " $+##02" 20 '0*0 20* ;" . ;0*

0 . 4 $ -$+#+**0-$+* 0* -"$ ' 0* 90+ 0 +*$+ 0-- ,+#$+-'+ . (- 94+ $"'0 0 ;*+#30$"# *$#"-" . ' 2+ 9-+ "#0 $#010 . "*
0 *+**0 2+ I6 2+ . 0#' 20 '0 . 0#0 2"* 2 /-"* ,0#+* 2 #+ - ,+2 4 ' '"-2+ 2+ 03#02 0 ,0103#0(Z ,0#0 #+'" . . +-20# 2 '0 . 0#0 + 0 /"3+#- 4#0 -+/"' ' 01$0 . +-$+ *' +-1 '"
"-2+#"4 9-+ "* . 0 * '+1+;#+* 0*$#"-" . "* 2:094+110] ,"'0 *+ :0 3 0 . "''4 ,02 '" . 0 2+1 '02 ** . 0 94+*$0 20 ,0#01108+ 0--401 20Y+* $#+110 2+ #/+10-2+#(+ -2 '02 *;"0 '" . *+-2" ,"-$ 20 4#",0 . 0 * 02+9402 ,0#0 *+ 0G+#+ . 0* ";*+#30/"+* 2:+*$+ 0*$#"
"-'14 4 ,#","-2 94+(0,0#0 *+ +3 $0# 94+ 0*$#"-" . "* +*$#0- /+ #"*(. -- 2"* 2"* -+'+**0# +* -*$#4 . +-$"*(3 +**+ . 0 *;"0 0G+# ";*+#30'"+* 20 +*$#+110 2+ #/+10-2+#("**+ " /"3+#- '"-3 202 0 . 0-20# 3 # -"3 $+1+*'", '(:03 0 ,"4' -3+-$02 +#0 0# * ,"# #0# 0N+(;+ . ' '"#0 "4$#"* 940+*94+# -*$#4 . +-$"* 94+ ,"2+**+ . ' '"-'"# #+# ,0#0 :0; 1 $0# "* 0*$#"-" . "* ,"#$4/4+G+* 0 ,#"'+2+# - ";*+#30R $"# 2+ *;"0 '" . 0 2+3 20 +80'$ 20 7* ";*+#30'"+* 2 #+ +# 2 0*R $#" S
. ' '"-*+94+-' 0 2:+*$0 ,#","*$0(94+ /"3+#- 0''+ $"4("#2+-"4 . - *$# 20 . 0# -:0 + . 20$0 2+ 7 20 0;# 1(94+ 2 #+'$"# 2 ";*+#R 30$"# 2+'10#0**+('" . 0 ,"** 3+1 ;#+3 202+((2+ 940+* -*$#4 . +-$"* '0 #+' 0 +*$+ +*$0;+1+' #0+-$,0#0 *+ ,"2+#+ . 0G+# 0* -2 '020* ";*+#30

?2 #+'$"#("43 -2 $"2"* "* 0F420-$ * 2 ";*+#30$"# "(+ '"-* 2+#0-2 '" . +11+* 0$$+-$0 . +-$+ 0**4 . ,$"(#+*,"-2+4< A 94+ 1"R '01 2 ";*+#30$"# #+01 20 . 0# -:0 2+3 0 - 011 3+1 . +-$+ *+# #+F+ $02"(,"# -0 0 0-/0# 0 +*$0;1 202+ 94+ $0 2+1 '020* ";*+#30/ +* 2+ . 0- 20 . (+ ,"# +*$0# 940* 0 - 3+1 2 +F"(#"2+02 20* +30,"#0/"+* 20* 0/40* + 2"* 4 . "* 2 0#*+-01E I L(- $"'0-$+ 0 -*$#4 . +-$"* 0*$#"-" . '"*(,"# 940-$ ";*+#30$"# -0 $ 4:0 4 . 4- '"(+#0 . -2 *,+- *03+ * "* *+/4 -$+*E
. * 2+ . # 0N+E 4 . * + "4 4 . 0 * 2+ -$+ #0 '"- 0-/0E 2" * 2, * 2" * D 2" * 2" * - 2

+ . ;#030 *+ 0 . - *$# 20 . 0# -:0 94+ *+# 0 2+ /#0-2+ 30-10

□

$0 $+-2+-' 0 +,"-$0-+0 ,0#0 0 2 3 *0" 2" #0;01:"(+#0 0*1#" -" . 0($+ . ,#"/#+** 30 . +-$ 04/ . +-$02" -+*$+* 41$ #0"* $+ . ,"*E '+2" "0 $0#2 *+ +*$+-2+#2 '" . '+#10 . +2 20 2* "41#0* *' +-' 0* -0$4#0+*('" . /#0-2+ ;+-+ ' " 2"* ,#"/#+**+* 2" +*, # $" :4#,0-"

) 4+#- 3+#202+ #0 . +-$+ *+ -1+#+**0# ,+10* *' +-' 0* -0" ,"2+#2 '0# -2 +#+-1+ 3+-2" 94+ $0 . ;+#0 " ";*+#301"# " ,"#14/4+G *+ + . ,+-:0 ,+10 *40 ,0#$+ -+*$+ $#0;01:"(2+ 4 . 0 . 0-+ #0 0 -20 . 0 * '" . ,1'$0(,"# 4#00 --"30'0" 2 /-0 2+ *+# . 10 0 ,+1"* "4$#"* ,0 G+* + 80-2" 0"* +*$0;+1+' . +-1"* . 0 * 0-$ /"* " '4 202" 2+ 0,+# + /"0# "* 4-20 . +-$"* 20 0*$#"-" . 0 *"10#(" '4 202" 2+ +*$+-2+#("4 . +1:"#(2+ '#+0# "* 20 0*$#"-" . 0 * 2+#01(; ";*+#30$"# " 2+ *;"0 '"-1# ;4 #2 ,+2+#" *0 . +-$+ ,0#0 "* ,#"/#+**+* 2+ 4 . 0 2+*$0* *4; 2 3F*"+* 20 *' +-' 0(,+10 ";*+#30/0" 20* ,0#01108+* 20* +*1#+110* . ,"#$0-$+*(94+ ,0**0#0 ,+1" *+4 G+- $:(+ ,+1" +*$42" 20* '"-*10-$+* 2+ 0;+##0/0" + 2+ -4 $0/0" 94+ +-$#0 . -0$4#01 . +-$+ -" . +* . " , 0-" 2+ $#0;01:"*

01 *+#0 ,0#0 " 4$4#" " #0 +*,+' 01 2+*$+ +*$0;+1+' . +-$" *' +- $ 1+"

" . 4 . 0 ,+94+-0 --"30/0" -" , 0-" 2" *# 0 30(" ";*+#301"R # " 2+ *;"0 '"-$# ;4 # *4;* 2 0# 0 . +-$+ ,0#0 "* ,#"/#+**+* 2+ 01 /4-* #0 . "* 20 0*$#"-" . 0 *"10#E 4$ 1 *0# $"20* #+/ "+* 2" ;+11" '+" 2+ "#$4/01 2 # / -2" 4 . 0 ,0#$+ 20 *40 0'1 3 202+ +#0 ,#"3+ 1" 2" +* $0-2"('020 2 0 . 0 * . ,"#$0-1+(2"* '" . +10* + 2"* ,10-+$0* - +# 4#+* ' /+"/#0,: 0 + 0 -03+/0/0" . 4 1" 2+3+ . 14'#0# '" . 0* ";*+#30 /"+* 14-0#+*(94+ *+ ,"2+ . *+/4 # + . * ;"0('" . . 0 * '"-$ -4 202+ 2" 94+ -0 . 0 "# ,0#$+ 2"* ";*+#30$"# "* +4#",+4*

1& ' 2+$+# . -0/0" 2 0# 0 2" $+ . ,"(048 1 020 ,+1" -*$#4 . +-$" 20* ,0**0/+-*(+ ,"# 4 . 0 +8'+11+-$+ ,+-2410(*+#D 4$ 1 0 #00# -:0 2" +* 102" + 0 . 0# -:0 . +#'0-$+

-01 . +-$+ 0 . +$+"#"1"/ 0 $+#- -+''** 202+(:0 . 4 $" $+ . ,"(2+ ";*+#30/"+* '"-$ -40* + $0* -0* +8$#+ . 202+* 2" -"**" '"-$ -+- + * ;"0 +*$0 2+ $01 . 0-+ #0 * $4020(9 + ,"2+ ,+# + $0 . +-$+ ,#++-':+# +*$0 10'4-0

"-*+/4 -$+ . +-1+(+ . 0$$+-/0" 1 0*$#"-" . 0 *"10#(F0 ,+1" 94+ #+*,+ $0 0 /+"/#0,: 0(F0 +- #+10/0" 0 -03+/0/0" + . +$+"#"1"/ 0(0 +8 $+-*0" 2020 0 0'1 3 202+ 2" ";*+#301"# " 2+ *;"0(-"* 1 . 1+* 20 +* ,+' 01 202+ 02",$02"* ,+1" /"3+#-" ,"#14/4+G(*+#2 0'"1: 20 '" . #+'" -;+' . +-$" ,+1" . 4-2" *' +-$ '" " 2"* "* :" . +-* 20 *' +-' 0 + 2" ,#"/#+**" 0, ,#"30#0" $0+* +* "#/"*E ,"# 94+ "* ;+-+ ' "* #+*41$0-$+* 0#0"(03 30# 0 . +. "# 0 2"* *+#3 /"* . . "#$0+* 94+ 0 ' 3 1 *0/0" 2+3+ 0 -";#+ -0/0" ,"#$4/4+G0

ʻ ʻ ʻ *

?ʻ . 0$+# 01ʻ 2"ʻ ";*+#30 "# "ʻ 2+ʻ *;"0ʻ *+# ʻ 04/ . +-$02"ʻ '" . ʻ "ʻ *+ ʻ /4 -$+<

A ʻ $ #-ʻ $+1+*'", 'ʻ G+- $:01ʻ +ʻ *+4ʻ '"1 . 02"#E

I ʻ $ .0ʻ 1+-1+ʻ . +# 2 0-0E

7 ʻ $ #-ʻ $:+"2"1 $"ʻ #+,+$ 2,#E

> ʻ $ .0ʻ ,+-2410ʻ 0*1#"-" . 'OE

D ʻ $ " *ʻ ;0#" . +$#"*E

6 ʻ $ " * 11 +# . " . +$#"*E

V ʻ $ " *ʻ :N/#" +$#"*E

C ʻ $ " *ʻ 0-+#" 2+*E

W ʻ $ " *ʻ :+##0" . +$#"*ʻ 2+ʻ . 08 . "ʻ +ʻ . - . "E

A?ʻ $ *ʻ '0$:01"/"*ʻ ."2+#-"*ʻ 20*ʻ +*$#+110*

1 3+ʻ 0ʻ :"-#0ʻ 2+ʻ ,#",+#ʻ 0*ʻ *+/4 -$+*ʻ ."2 '0';+*<

4,,# . #"ʻ $:+"2"1 $"ʻ #+,+$ 2"#ʻ +ʻ *4;*$ $4 #ʻ 4#-ʻ ,+94+-"ʻ ' #'41"ʻ . +# 2 0-"ʻ 2ʻ 1+-$+ʻ . +# 2 0-0E

/ #ʻ 4#-ʻ ,+ʻ ,0#0110'1 '"ʻ . - $"ʻ * . ,1+*(,0#0ʻ 4$1 *0#ʻ 0ʻ *+/4-20ʻ 1+-$+ʻ 2"ʻ 0,,0#+1:"ʻ G+- $:01('4F0ʻ ";F+'$ 30ʻ ,"2+ʻ *+#ʻ 1 #020(+ʻ *+#3 #ʻ 01 0*ʻ 2+ʻ 4 .0ʻ . 0-+ #0ʻ 940*ʻ '"-1 -40E

4;*$ $4 #ʻ "*ʻ 2" *ʻ 0-+#" 2+*ʻ ,"#ʻ 4#-ʻ 0-+ ."/#0,:"ʻ 940194+#(0ʻ . ʻ 2+ʻ '" . ,1+$0#ʻ 0ʻ 1 *$0ʻ 2"*ʻ -*$#4 . +-$"*ʻ . +$+"#"1"/ '"*E

+ʻ 0*ʻ ,+94+-0*ʻ ."2 '0'"+*ʻ -2 '020*ʻ "**+ . ʻ 0,,#"3020*(,#",ʻ # 0ʻ 0-20ʻ . 0 *<

A ʻ $;*+#30#ʻ $"2"*ʻ "*ʻ 2 0*ʻ 0*ʻ +*$#+110*ʻ G+- $:0+*ʻ '" . ,#+:+-2 20*ʻ -54 .0ʻ '+#$0ʻ G"-0ʻ 0$+ʻ 0ʻ VSʻ /ʻ 0-2+G0(+ʻ 2+24G #ʻ 25+**0*ʻ ";*+ 30)"+*ʻ 0*ʻ ,0#01108+*(0ʻ '"-*$0-$+ʻ 20ʻ 0;+##0/0"(0ʻ 10$ $42+(+$' E

I ʻ $;*+#30#ʻ 0*ʻ '41 . -0/"+*ʻ 14-0#+*ʻ ,0#0ʻ 0ʻ 2+$+# . -0/0"ʻ 20*ʻ 1"-R / $42+*ʻE

7 ʻ $ *$420#(2+ʻ 4 .0ʻ . 0-+ #0ʻ *+/4 20(0ʻ . 0#':0ʻ 2"ʻ ':#"-" . +$#"ʻ 2+*$ -02"ʻ 0"ʻ *+#3 /"ʻ 20ʻ #00# -:0E

> ʻ $;*+#30#ʻ "*ʻ '" . + 0*ʻ ,"#ʻ $"2"ʻ "5$+ . ,"ʻ 20ʻ *40ʻ 0,,0# /0"E

D ʻ $;*+#30#ʻ +/401 . +-$+ʻ -0ʻ +940$"# 01ʻ "*ʻ ,10-+$0*ʻ - +# "#+*ʻ -" ʻ 30 . +-$+ʻ 2+*'";+#$"*(24#0-$+ʻ 0*ʻ 0,,0# /"+*ʻ +ʻ 9402#0$4#0*E

6 ʻ $ +$+#. -0#ʻ -"ʻ ' #'41"ʻ . +# 2 0-"ʻ 0*ʻ ,"* /"+*ʻ +80'$0*ʻ 20*ʻ +*R $#+110*ʻ '" . ,0#020*ʻ 0"*ʻ '" . +$0*ʻ +ʻ 0"*ʻ ,10-+$0*ʻ - +# "#+*E

V S ;*+#30#ʻ "*ʻ +'1 ,*+*ʻ +ʻ 0*ʻ "''41$0/"+*E

C Z 0G+#ʻ 0*ʻ ";*+#30/"+*ʻ . +$+"#"1"/ '0*(*+/ -2"0ʻ . 0#':0ʻ . 0 */+#01 . +-$+ʻ 02",$020(+ʻ '" . ,#+:+-2+-2"ʻ 0"ʻ . +-"*ʻ 0ʻ 2+*'# ,/0"ʻ 2"ʻ +*ʻ $02"ʻ 2"ʻ '+"(0*ʻ -2 '0/"+*ʻ 2"ʻ ;0#" . +$#"(2"*ʻ $:+# . " . +$#"*(2"ʻ ;N/#2ʻ . +$#"((+ʻ 0* 2"ʻ 0-+ . "/#0,:"E

W ' U + . +$$+# . . +2 010 . +-$+' 1"20* 0* ";*+#30'"+* 2"* '" . +$0* +' 2"* -"3"* ,10-+$0* 0"* '"#,"* *' +-$ '"* +' 0"* F"#-0+* 0*$#"-" . '"*E

A?' S +24') 0"* *N*$+ . 0$ '0' 20* ";*+#30/"+*E

4;1 '0/0"(0--", "#0--"(2"* #+*41$02"* 0294 # 2"* -"0--", #+'+2+-$+

1+ .' 25 *$"' ,"2+# *+ : 0' 0+"-*+1:0#" "' 4*"' 2"' -*$#4 . +-$"' . +# ' 2 0-"(,0#0' ,#"1"-/0# 0* G"-0* 2+' 010-2+' +' +**+1(-"' :+#0 *,1 '# "' 04*$#01(0$+' "' 1 . 1+' . ,"*$"' ,+10' * $ 0/0"' /+"/#0,: '0' 2+' *;"0

+' +*1+' , 0-"', 0#+'+**+' . 4 1"' +8$+-*"(,"2+# 0' *'#' #+24G 2"(" . $ ' $ -2" *+' 01/4 . 0* ,0#$+*(0* 940+* '0# 0 .' 0"' '4 202"' 2+' "41#"* ";*+#' 30$"# "* +*,+' 0+*' "# +8+ . , "(0* +*$#+110* +.' '" . ,0#0'0"' 2"* '" . +R $0* +P2"* ,10-+$0* - +# "#+* *'# 0 .(*+/4-29' F41/"(";*+ 53020* '" .' /#0-2+' 30-$0/+ .' ,0#0' 0 *' +-' 0("4' +.' 0 .;4#/"' +' 11"-0(" ' +. 2 .;4#/"' +' 8 "#2' 0*$0' 94+' *+F0 .' -2 '020* 0"* 2 #+'$"#+* 25+*' *+* +*$0;+1+' .+-$"* -0* ,4;1 '0/"+* .+-*0+* 20' *"' +202+' 0*$#"-" . '0' 2+' "-2#+*(+' 2+' ' ':4 . 0':+#(4-202"# 20* ' " 2

' 0** .' 94+' $"2"* "* ";*+#301"# "* . 4140 . +-$+' *+' *4*1+-$0 .(+' *+' '" . ,1+$0#0(/#0/0* 0' 4 . 0' ;"0' 2 *$# ;4 /0"' 2"* $#0;01:"* '020' 3+G . 0 "#+* 20' 0*$#"-" . 0

' 1 -0$4#+G0' 2"' -*$#4 . +-$"' ,# -' ,01(*1"' 6(0"' 0, ,0#+1:"' G+- R $:01(94+' *+' 2+3+' 0' 0' 1 202+('" .' 94+' +*$+' , 0-"' *+' ,22+' 04/ . +-10# 64' 2 . -4 #(*+ .' 94+' "' ";*+#30$"# "' 2+' *;"0' ,+#'0' *+4' '0#0'1+# 2+' +*,+' 01 202+("4' *+4' .' 2+' 4$1 202+' 0'$401

$"' 94+' +*1+' -*$#4 . +-$"' ,"2+' 20#0' :"#0' 0*$#"-" . '0' '" .' $0-10' ,#+' *0"' '" . "' "* /#0-2+* -*$#4#0+-$"* . +# 2 0-"*(+' ,"** 3+1(+ .' # R /"#(+1 . -0# "' -*$#4 . +-$"' 20 ,0**0/+-* " . ,#+:+-2 2"' -", 0-"', # ' . $ 3"(+' *4, ,# . # 0"' . +* . "' $+ . ," "' $+#/"' 20' 2+*,+G0' +' 0' . +$02+' 2"* $#0;01:"*

' ,"#94+' "' 0, ,0#+1:"' G+- $:01' +' '" . ,"*$"' 2+' 240* 1+- +*(4 . 0' 20* 940+* +' . "3+1(+' -0"' *+#3+' *+-0"' ,"# 01/4-* . "#-+-$"* ,0#0' #+R /410# 0' "4$#0(-020' :0' . 0 * * . , $+* 2"' 94+' $ #0# 0' ,# . + #0' +' + . ,#+' /01 0' $+ . ,"#0# 0 . +-1+' + .' "41#"* 4*"*' "' . +* . "' . "2"' -020' +' . 0 * * . ,1+* 2"' 94+' . "-$01 0' -54 .' 0, ,0#+1:"' ,0#0110'1 '"' +' 2+*$ -01 0' 0* ";R *+#30/"+* +8$#' ' . +# 2 0 E0* ' " .' . 0 * 01/4 . 0' 2+*,+G0(";$+#0 *+' 25+*$+' . "2"(2" * -*$#4 . +-$"* 2+' ,# . + #0' "#2+ .' + .' 1"/0# 2+' 4 .' *6' ' +* ' '4*02"' 2 G+#(2+' 94+' . ,"#$0-' 0' +' +*10' 022 /0"' -54 .' ";*+#30$"# " ' + .' 4 . 0' 1+- +' . "-1020' ,0#0110'1 '0#0+-$+(+' . ,"** N+1' ";*+#30# "* ,:+-" . +-"* . 0 * -$+#+**0-$+* 2"' . 4-2"' ,10-+10# " ' ' 341/0# *0/0"' 20* -"/"+* 0*$#"-" . '0* #+94+# 4 .' -*$#4 . +-$"' 25+*$+' /+-+#"E *40' 01$0

;# '030' '" .' ,+# + '0"' +' 01+' . 0 *' ,#",# "*(+' 0'" . . "202"*' 0' "#$4/01E
0' ,"-$"' 2+' *+#' 2+*-+'+**0# "' . 0-201 "*' 3 #' 2+' ,0 G+*' +*1#0-/+ #"*
?' :0; 1' 0#$ *10' 2+'10#030' 94+' -0"' $+ . 0' 0' '"-'"##+-' 0' 2"*' -*$#4 '
. +-$"*' . 0 *' ,+# + 1"*' 94+' 3 - :0 .' 2+' -/10$+##0(+' *+' +-'0##+/030' 2+'
940194+#' +-'" . . +-20' 94+' -5+*1+' /+-+#"' :+' "**+' +$0(";# /0-2" *+(
2+' . 0 *' 0' . 0 *(0' 0G+#' "' 022 $0 . +-$"' "4' . +1:"# 0' 94+' ;+' "**+' -2 '
'020' ,0#0' 0 /-.' 2"*' -*$#4 . +-1"*' +-'" . . +-202"*
+-:"' 2 0-$+' 2+' . .' 0' 1 *$0' 2"*' -*$#4 . +-1"*' -2 '02"*E +' *0"' "*'
+/4 -1+<
3 ' ,0#0' *010E ,0#0' 4*"' 20' . 0# - :0E ,0#0' . +2 #' 0*' 0114 '
#0*' 20*' . "-10-:0*
' ,# #0+ #"(2+*2+' AW D0D?? 01+' W6 ???' #+ *(*+/4-2"' "' *+4' . 0 "#
"4' . +-"# "#-0$"' +' 0, ,0#+-' 0E "*' *+/4-2"*' 2+' 7CFX???' ,0#0' ' . 0E "*'
$+#'+ #"*' 0'" . ,0-:02"*' 2+' 2" *' :+# . " . +1#"*(0' >D ???' #+ *
! ' 0'" . ."202"*' 0 2 +#+-$+*' 4*"*(2+*2+' I >??' 0$+'
C ???' #+ *
($ ' /#0-2+*' +' ,+94+-"*(2+*2+' W 6??' 0$6' AI D???' #6 *
' B"4' * ' $ W 6??' 0' A> >??' #+ *
3 ' D ' '"-* 2+#03+1 . +-$+' . +1:"#020*' ,+1"' :0; 1'
0;# '0-$+(IC C??' 01+' A?? D???' #+ *
#0-2+' 30# +202+' 2+') ' 2+' AW I??' ,0#0' ' . 0E
' 9-+' *+#N+ .' ,0#0' "' -"#$+' +' ,0#0' "' *41(2+' I> D???' ,0#0' ' . 0
' ?' 0#$ *10' 2+'10#030' 94+' $ -:0' + .' *40' '0*0' 4#-' 94+' '
G+#0' ,0#0' *40' 01$+G0' #+01' + .' AC?7("' 9401' '4*$0#0' A7?' ."+20*' #0'
-3+-'0"' *40(+$'

+10' ,"#$0 0' 2+' A>' 2+' +3+#+ #"' 2+' AC76' "' "#2+-02"' 0"' -*,+R
'$"#' 2"' #*+-01' 20' 0# - :0(94+' #00-20**+' ,#"'+2+#' -"' ";*+#301"# "' >'
'"-*$#4'/0"' 2+' 4 . 0' *010' ,#",# 0' ,0#0' "*' $#0;01:"*' 0*$#"-" . '"*' 2+' . 0 "#
. ,"#10-' 0(+' 2+' 4 . 0' ,+94+-0' #"$4-20' *";#+' "' 1+##0/"' ,0#0' "' 102"'
2"' "'' 2+-1+

.' -"3+ . ;#"' 2+' AC7C' "' 0--4-' 02"(0' ;+ .' 2,* ':#"-" . +$#"*'
20' . 0# - :0' 2+' /4+##0' +' . +#'0-1+(+' 2"*' #+1"/ "*' ,4;1 +"*' +' ,0#1 '410'
#+*' 20' '0, $01(94+' 2+' +-10"' + .' 2 0-$+' *+ -2 '0# 0' 1"2"*' "*' 2 0*' -"'
;*+#301"# "' *$#"-" . '"' 2+' 0# - :0(,"# . + "' 20' #0, 20' 94+20' 2+'
4#-' ;010"("' # /"#"*"' -*$0-1+' + -' 94+' 0' ,+-2410' 2"' #0+* . "' ";*+#301"R
"' . 0#'0**+(+80'$0 . +-$+' 4 . 0' ;"#0' . +2 0
.' 940#$"' 2+' :"#0' 0-$+*' 20' 4 . 0' :"#0' . +2 0' * ; # 0' "' ;010"' 0'
. + "' #00*1#"E ' -'"' . -4$"*' 0-$+*' 20' #+ +# 20' :"#0' +1+30# *+ : 0' 0$+' 0"

$",+E + 940-2" -" ";*+#30$"# " 0 ,+-2410 2" $+. ," .+2 " .0#'0**+
/"#"*0.+-$+ " ." .+-$" 20 4.0 ;"#0 .+2 0 '0 #- " ;010" #0, 20
.+-$+

"* 2 0* +. 9-+ " +*$02" 20 01."*, :+#0 -0" ,+#. $$ **+ 94+ *+
";*+#30**+. 0* ,0#0/"-* .+# 2 0-0* 2" *"1 '". " -*1#4#0+-$" 2+ ,0*
0/+-(-0" *+ #+*,"-*0; 1 *030 ; ";*+#30$"# " ,+10 ,+94+-0 2 +#+-/0
94+ 0 ,+-2410 2" $+. ," .+2 " B01 0* . 4 1" ;"0 ,"2+**+ ,"# 940194+#
'04*0 $+# *" # 2" -0 *40 .0#':0 2 3+#*0 2+*2+ " 41$." 2 0 +. 94+
*+ $ 3+**+ ";*+#302" 0 ,0#0/+. .+# 2 0-0 2" *"1(

?2 #+'$"# 2" ;*+#30$"# " 2+ 0# -;0 "#. 41"4 4#00* -*$#4''"+*
,0#0 4#- 1 3#" 2+ #+/ *1" 94+ 0 ;"#2" 2"* -03 "* 2+ /4+##0 2+3+ +8 *
$ #(,0#0 '020 4. ':#"-" .+$#" 2"* .+*. "* -03 "*(-" 9400 *+ .+-' "
-+. * / * 9
5 + 0* $+. ,+#0$4#0* '"##+*,"-2+-$+* +.
$"2"* "* 2 0* +. 94+ *+ ,"2+# ";*+#30# 0 ,0**0/+. .+# 2 0-0 2" *"1(
'"-'14 -2" *+ 0** . '". 0 .0 "# *+/4#0-/0 ,"** 3+1 "* +*$02"* 0;*"
14$"* + *40 .0#':0 2 4#-0

+10 ,"#$0# 0 2+ A7 2+ 2+G+. ;#" 2+ ACDC "#0. 0, ,#"3020* 0* -
2 '020* -*1#4'/"+*(+ "41#"* . " "#2+-02" 94+ *+ ;+* 2+**+ +8+'4
0" 0 ;"#2" 2"* -03 "* 2" +*$02"(+ "**+. ,4;1 '020* -0 "#2+. 20
0#.020(
"3 *(* *
* ,"2+.
3+# *+ -0 : 9 EFMF ,0/(>7D 0 >7V

. I? 2+ 2+G+. ;#" 2" .+*." 0--" 2+ ACDC 2 G 0 0" ,0#10.+-$"
#0 - *1#" 20 .0# -;0<
K? ;*+#30$"# " *$#"-". '" 2+ 0# -;0(94+ *+ 0':0 1+30-$02"
-" #+' -$" 2" #*+-01 2+ 0# -;0(1+. ,"# +. 940-$" *+#3 2" 0" +*$42"
2"* 0*, #0-1+* + /40#20* .0# -:0*E ,"#+. " -+'+**0# " +. ,#+:+-2+#
011 01/4.0* ";#0*(94+ +*$0" 41$ .020*(,0#0 ,"2+#+. *+# 2+3 20
.+-$+ + $0* 0* ";*+#30)"+* 0*$#"-". '0*(+ $0.;+. ,0#0 -" .+*."
+2 $' " *+ 2+,"* $0#+. "' ':#"-". +1#"* 20 0#.020(94+ -0" +*$ 3+#+.
0 ;"#2" 2"* -03 "*(+ "* .0 * -*$#4.+-1"* -04$ '"*(94+ *+ 0':034.
2 **+. -02"* ,"# 2 3+#*0* #+,0#1 '"+*('". /#03+ ,#+F4 G" 2" *+#3 /"
,4;1 '"E 2+3+-2" +/401.+-$+ *+# 01 '"11"'02"* 01/4-* "4$#"*('". " 4.
-*$#4.+-1" 4- 3+#*01(4. GN/".+$#;(4. .0#+"/#0, :"(+ 4. #+ #0
'$" ,0#0110$ '"(94+ " /"3+#-" .0-2"4 '". ,#0# ,"# *+#+#0 -2 *,+-

*03+ *' 0"*' 2 3+#*"*' +*$42"*' +' ";*+#30/2+*(94+' FD' +*$0"' + .' ,#0$ '0' '" .' /#0-2+' 30-10/+ .' 2"' +-* -"' 2"*' 014 . -"*' 20*' +*'"10*' 20' '0, $01Z Z

.' I ' 2+' "4$4;#"' 2+' C76' 2+'#+$"0' "' /"3+#-"' 0' #+"#/0- *0/0"' 2"' ";*+#30$"# "' 0*1#"-" . '"' 2+' #00# 0:0(-"' *+-1 2"' 2+' 2+) - #' '" .' ,#+' ' *0"' +' '10#+G0' "*' -*' 20' *40' '#+0/0"(+' 9401' 6' ,+**"01' 94+' "*' 2+3+**+' ,#++-':+#(+*10;+1+'+-2"' 2+," *' 0*';0; 1 $0/2+*' +' 3+-' . +-1"*' 2"' . +* . "' ,+**"01

- . ,#+' -"10# /-+' +*$0' #+"#/0- *0/0"' 0**+-1030' -"' 0'$"' 2+' *+' $+' #+ .' + $"' "*' 0##0-F"*' -+'+**0# "*' ,0#0' 0' '"11"'0/0"' 2+' -*$#4 . +-$"*' 0*' $#"-" . '"*(+' ,0#0' 0' +8+'4/0"' 2"*' $#0;01:"*' *' +-$ '"*' '" . ,+1+-1+* '0305' "';*+#30$"# "' $+-2"' ,"# .' +*,+' 01E' A L' '"",+#0#' '" .' $"2"*' "*' . + "*' 2+' 94+' ,"2+**+' 2 *,"#' ,0#0' "' 0,+# + /"0 . +-$"' 20' 0*$#"' " . 0(/'"/#0,: 0(:N2#"/#0,: 0' +' -03+/0/0"E I S' *+#3 #' ,0#0' "' +-* -"' +' +8+#' ' "*' ,#0$ '"*' 2+' 0*$#"-" . 0' 0"*' 014 . -"*' 20*' +*'"10*' 20' '0, $01E 7 S' *+#3 #' 2+' 2+," * $"' 20*' '0#$0*(#"$+ #"*' +' -*$#4 . +-$"*' -+'+**0# "*' 2 -03+/0/0"' ,+#1+-'+-$+*' D' 0# . 020

"# 940-$"' "' ";*+#30$"# "' '030' *+#3 -2"' 2+' 2+," * $"' 2+' $"2"*' "*' ";F+'$"*' *' +-$ '"*' -2 *,+-*03+ *' 0"*' -03 "*' 2+' /4+##0(,0#+'+4' 0"' 2 #+'$"# #+*,+'$ 3"' 94+' +#0' 2+' $"20' 0' '"-3+- +-' 0' 0' 1 10# "' 2+*+ . ,+' -:"' 25+*$+' . ,"#$0-$+' #0 ."' 2"' *+#3 /"' ,4;1 '"(+*$0;+1+'+-2" *+' 4 . 0' *+/4#0' *'01 *0/0"(20' 9401' 3 +**+' 0' #+*41$0# 4 . 0' ;+ .' +-$+-2 20' +'" ' -" . 0' ,0#0' 0' 0G+-20' ,4;1 '0

5+*$0' '"- "# . 202+' ,#","G' "' 2 #+'$"# 4 .' ,#"F+'$"' 2+' ,#"3 2+0Z' 0*(94+' ,+1"' /"3+#-"' "' 041;+-$ '02"' +.' AW' 2+' +3+#+ #"' 2+' AC67('" .' ?' $ $41"' 2+' % ' * ' ' ' * ' ' ' ' ' ' ' 9 ' ' 5 ' B ' ,"#$0# 0' 2+' AW' 2+' +3+#+ #"' 2+' AC67' +' "' #+/410 . +-$"' +*$0"' ,4;1 ' 2"*' -0' : ' ' ' 1 ' 25094+11+' 0--"(,0/' 6?' 0' 6I

':+/020' 0' "''0* 0"' 2+' *0;+# ."*' 9401' +#0' "' +*$02"' 2"' ;*+#30' "# "' +01' 2+' 0# -:0' -"' 0--"' 2+' AC67(2+*+ . ,+-:0-2"' 0** .' 0' ,#"' -+**0' 94+' :0' , "4'"' G+ ."*

+1 G . +-$+' ,"2+ ."*' 0,#+*+-$0#(0' $01' #+*,+ 1"(2"'4 . +-$"*' -+2' "*' 2+' *4 . ."' -1+#+**+

?' *0;" 2 #+'$"# 2"' ";*+#30$"# "' "' 2#' 1 , ,+' "194+(03"#+'+4

)' % ' ' 5 ' ' 5 ' ' < ' * ' ' ' ' ' ' ' ACDC ACCW

' ' 2%

J ˢNN ˢ J

-"*ˢ '" . ˢ 4#00ˢ '0#$0(+$-ˢ 20$0ˢ 2+ˢ I>ˢ 2+ˢ +3+#+ #"ˢ 2+ˢ AC 7(0'" . ,0-:0-2"ˢ
4 . 0ˢ -"$ ' 0ˢ 2"ˢ +*$02"ˢ 2"ˢ +*$0;+1+' . +# $"ˢ -5+**0ˢ +,"'0
0ˢ -2 '020ˢ '0#$0ˢ " +#+'+#0"*ˢ 094ˢ +*$+ˢ +8'+#,$"<
K ˢ + . +$$"ˢ ," *ˢ 0ˢ 3ˢ 4 . 0ˢ -"30ˢ -"$ ' 0ˢ 2"ˢ +*$02"ˢ + . ˢ 94+ˢ 0'1401ˢ
. +-$+ˢ *+ˢ 0':0ˢ "ˢ -"**"ˢ ;*+#30$"# "ˢ *$#"-"#0 '"ˢ 2+ˢ 0# - 0(+ˢ -5+110ˢ
+-'"-$#0#0ˢ 01/4-*ˢ -"3"*ˢ +ˢ +8'+11+- +*ˢ -*1#4 . +-$"*ˢ 94+ˢ 1+-:"ˢ 0294 ˢ
2"(;+ . ˢ '" . "ˢ "ˢ 0##0-Fˢ 2"ˢ -"3"ˢ # * ˢ " ˢ '"#0 . +$$ 2"ˢ 0"ˢ
. +* . "ˢ ";*+#30$"# "ˢ ,+10ˢ 41$. 0ˢ 1+ ˢ 2+ˢ I>ˢ 2+ˢ "4$4;#"ˢ 2+ˢ AC7W(94+ˢ
#+ "# . "4ˢ +*$+ˢ +*$0;+1+' . +-$"ˢ +-:"ˢ ," *ˢ "ˢ /#0-2+ˢ ,#0G+#ˢ 2+ˢ ,"2+#ˢ
0 # . 0#ˢ 0ˢ 3ˢ 94+ˢ -+-:4 . ˢ 2"*ˢ ";*+#$"# "*ˢ 2+ˢ . 0# -:0ˢ 94+ˢ 3ˢ 10ˢ ,"#ˢ "#0ˢ
+*$0ˢ . +1:"#ˢ 94+ˢ "ˢ -"**"Eˢ +ˢ 1"/"ˢ 94+ˢ +4ˢ $+-:0ˢ ";1 2"ˢ 4 . ˢ ˢ
ˢ ˢ ˢ ;+ . ˢ '" . "ˢ 4#-ˢ ˢ ˢ ˢ '"-* 2+#"ˢ +*$+ˢ
+*$0;+1+' . +-$"ˢ -"ˢ *+4ˢ +*$02"ˢ '"#0,1+$"(,"#94+ˢ -5+11+ˢ *+ˢ ,"2+#0ˢ 0G+#ˢ
$"20*ˢ 0*ˢ ";*+#30 "+*ˢ 0*$#"-" - '0*ˢ #+10$ 30*ˢ 0"ˢ -"**"ˢ *N*$+ . 0ˢ *"10# Sˢ
* 094ˢ "ˢ 2"'4 . +-1"ˢ -$+#+**0-$ ** . "(0ˢ 94+ˢ 01142+ˢ 0ˢ '0#$0<
3 ˢ ˢ ˢ ˢ ˢ , ˢ ˢ ˢ ˢ 9 ˢ ˢ
ˢ 5 ˢ ˢGUˢ ˢ 2ˢ ˢEFB\
?ˢ +*,0 ,ˢ 2"ˢ ";*+#30$"# "ˢ *+-2"ˢ #04 $"ˢ 2+ ' +-$+ˢ ,0#0ˢ 0ˢ ;"0ˢ '"1ˢ
1"'0/0"ˢ 2"*ˢ -*$#4#0+-$"*(2+ˢ 94+ˢ ,#+' *0("#0 . ˢ '"-*$#4 20*ˢ #00 *ˢ 240*ˢ
*010*ˢ 4 . 0ˢ ,0#0ˢ "ˢ 102"ˢ 2"ˢ "# +-$+ˢ +ˢ "4$#0ˢ ,0#0ˢ "ˢ "'' 2+-$+ˢ 1+ . ˢ 2W+*$0*ˢ
240*ˢ *010*ˢ '"-*$#4 #0 . *+ˢ -"*ˢ 0-/41"*ˢ 2+ˢ ˢ +ˢ 2"ˢ ˢ 2"ˢ $+##0'"ˢ 240*ˢ
,+94+-0*ˢ $"##+*ˢ 'N1 -2# '0*ˢ 2+ˢ '4,410ˢ . "3+10
"-*1#4 4 *+ˢ $0 . ;+ . ˢ -0ˢ . 0#/+ . ˢ *41ˢ 2"ˢ +F"(-0ˢ #+01ˢ 94 -$0ˢ 2"ˢ
1 + $+(-0ˢ 2 #+/0"ˢ 20ˢ . +# 2 0-0ˢ 2"ˢ ;*+#30$"# "ˢ 4 . 0ˢ /#0-2+ˢ ˢ 2+ˢ
013+-0# 0($+# . ;0-2"ˢ '" . ˢ 4 . 0ˢ ˢ 2+ˢ +##"ˢ 4-2 2"ˢ '" . ˢ . "3 . +-ˢ
$"*ˢ 029402"*(";F+'$"ˢ -2 *,+-*03+1ˢ ,0#0ˢ 2 1 +#+-$+*ˢ 4*"*ˢ 0*$#"-" . ˢ
'"*
+30-$"4 *+ˢ -01 . +-$+ˢ -"ˢ . + "ˢ 20ˢ ,0#+2+ˢ 2"ˢ *41ˢ 2"ˢ ";*+#30$"# "ˢ
4 . ˢ ˢ '" . ˢ 4 . ˢ ˢ ,0#0ˢ ,"#ˢ . + "ˢ 20ˢ *40ˢ 94+20ˢ *+ˢ 20#ˢ 0ˢ ;"#0ˢ
" ' 01ˢ ;ˢ '0, $01ˢ +ˢ 0"*ˢ 1 03 "*ˢ *4#$"*ˢ -"ˢ +F"(0ˢ . ˢ 2+ˢ '"-1 +'+#+#0ˢ "ˢ
+*$02"ˢ 2"*ˢ *+4*ˢ ':#"-"#0+$#"*
*ˢ -*1#4 . +-$"*ˢ 94+ˢ *+ˢ 0':0 . ˢ '"11"'02"*ˢ *0"ˢ "*ˢ *+/4 -$+*
ASˢ ':0 . *+ˢ '"11"'02"*ˢ -0ˢ *010ˢ "'' 2+-$01ˢ *";#+ˢ ,+2+*$0+*ˢ 2+ˢ ,+ˢ
2#0(+ˢ *"1 20 . +-$+ˢ 0$#0'020*ˢ 0*ˢ ,0#+2+*ˢ $#+*ˢ ;"0*ˢ * ˢ '"-*$#4 R
20*ˢ ,"#ˢ # ˢ 4 ˢ +ˢ * ˢ 240*ˢ 2+*1 -020*ˢ ,0#0ˢ "ˢ * ˢ ˢ
+ˢ 0ˢ $+#++ #0ˢ ,0#0ˢ "ˢ * ˢ ˢ 0 . ;+ . ˢ -5+*$0ˢ . +*#00ˢ *010(94+ˢ $+#-ˢ
4 . 0ˢ +-20ˢ /+#01ˢ -0ˢ 2 #+'/0"ˢ 2"ˢ . +# 2 0-"(*+ˢ 0**+-$"4ˢ 4 . ˢ ;"#0ˢ 2ˢ
ˢ ˢ * ˢ '"-*$#4 2"ˢ * +; Dˢ "ˢ 9401ˢ ,"#ˢ . + "ˢ 20ˢ #0 #0ˢ
. +# 2 0-0ˢ +ˢ 20*ˢ #+*,+'1 30*ˢ ";*+#30/"+*ˢ 0*$#"-" . '0*ˢ *+ˢ 0':0ˢ 2+ - $ ˢ
30 . +-1+ˢ '"11"'02"ˢ -"ˢ , 0-"ˢ 2"ˢ . +# 2 0-"

"# . ' '' 25+*1+ -*1# #0+-$'' *+ #+/410#0 0* ,+-2410* 2'' ";*+#30 1"# "(+ '' . +*10* *+ 2+1+# . -0 0 . 0#':0 2"* 2"* -03 "* 2'' +*$02"E '' 94+ F4-$'' 0'' #+/410 . +-$'' *";#+ +*1+ ";F+'1'' 0, ,#"302'' + ,4;1 '02'' ,+1'' /"3+#-"('" . ,1+$0 254 . . "2'' #+/410# + ,+# . 0-+-1+ +*$+ . ,"#10# $+ #0 . '' 2'' *+#3 '' 20 #00# -:0

" . +*$+ . +* . '' -*$#4 . +-$'' 2+ ,0**0/+-* *+ ";*+#30 . 0* 2 20 140 '" . 0* +*$#+110* ,#"8 #00*E ;+#0 '" . '' *+ 0G+ . 0* ";*+# 30/;+* ,#+' *0* ,0#0 0 2+$+# . -0/0'' 20* ,0**0/+-* 2"* ,10-+$0* ,+1"* 2+ *40* #+*,+'$ 30* "#; 10* +$'

5+*$0 . +* . 0 *010 "'' 2+-$01 *+ 0##0-F"4 '"-3+- +-$+ . +- + 0 F0 -+110 + . #+-$+ 2'' -"#$+(+ 01 *+ 0':0 '"11"'02'' ,+# . 0-+-$+ . +-$+ 4 . ;+11'' ! 2";#020 . +-$+ #+,+1 2"# '"-*$#4 2'' ,"# ; D+2+* $ -02'' ,0#0 0* ";*+#30/"+* 20* ' #'4 . ,"10#+*

-20 -5+*$0 *010 *+ 0##0-F"4 4 . 0 20* F0-+110* 2'' *41(94+ 2+ 10#0 ,0#0 '' $+##0/"(+ -5+110 *+ '"11"'"4 4 . "41#'' * '"-*$#4 2'' ,"# 2+*1 -02'' ,0#0 0* ";*+#30/"+* 2"* , + ,0**0/+-* ,+1'' * + * -01 . +-$+ 0':0 . *+ '"11"'02"* -5+*10 *010 4 . ;+11'' 2" * 4 . 2+ . 08 . '' + "4 $#'' 2+ . - . "(;+ . '" . '' T * D 7 -*$#4 . +- $"* . +$+"#"1"/ '"* "#0 . '"-*$#4 2"* -'' -"**'' -*$ 4+ -24*$# 01 I S 0 *010 "# +-$01 *";#+ 4 . "#$+ ,+2+*$01 2+ ,+2#0 *+ 0':0 '"1R 1"'02'' 4 . ;+11'' D '"-*$#4 2'' +/401 . +-$+ -'' -"**'' -*$ 14$'' -24*$# 01 *+/4-2'' '' 2+*+-:'' + 2+*'# ,/0'' 2'' D 2'' ;*+#30 $"# '' *$#"-" . '' 2+ "41a"30 *$+ -*$#4 . +-$'' 94+ $+#- ,"# ";F+'$'' +80 - 40# + 3+# '0# 0 ,+# + $0 '"-*$#4+/0'' 2"* - 3+ * 2+ ;"1:0 2+ 0#($"#-0 *+ 0'$401 . +-$+ -2 *,+-*03+1 +#0 940194+# ";*+#30$"# " 7 L 0 *010 '+-$#01 +*$0'' /40#202"* + . ;01'"+* 0,#",# 02"* $"2"* "* ^ + +*$02"E 0+;0 . *+ . "-$02"* *+ * 2+ "#/0 . +2 0-0 ,0#0 0* ";*+#30/"+* 2"* +'1 ,*+* 2'' *"1(140(*0$+1 $+* 2+ 4R , $+#("''41$0/"+* 2+ +*$#+110*(+ ,0**0/+-* 2+ +-4* + +#'4# '' ,+1'' 1 .;'' 2'' *"1E $0 . ;+ . + . 0# . 0# "* 2" . ,+$+-$+* *+ 0':0 0 ,+94+-0 1 3#0# 0 2'' ";*+#30$"#$"E + 0'' 102'' 20 F0-+110 2+ #+-$+ +*$ '' ** 2 (#+*,+'$ 3+ 0'' 0*'+-/'' + 2+*'+-/'' 2'' ;010"

> U 0 $"##+ 'N1 -2# '0 2+ '4,410 . "3+1('"-*$#4 2'' -'' 0-/41'' 2+ 2'' $+##0/'' *+ 0':0 '"11"'02'' '' 0 . "*'' '' '"- *$#4 2'' ,"# % * " . +*$+ -*$#4 . +-$'' *+ ";$+ . 0 01$4#0 + 0G . 4$:' 2+ 940194+# ,"-$'' 2'' '+"(*+ ";*+#30 . 0* ,0**0/+-* . +# 2 0-0* 2"* 0* $#"*(;+ . '" . '' 0* *40* ,0*0/+-* ,+1'' S 3+#$ '01E ,"2+-2" *+ $0 . R ;+ . "';*+#30# '" . /#0-2+ '" . . "2 202+ + # /"# "* +'1 ,*+* 2'' *"1(+$'

$4 ;#'' 2+' ACDW' +' 7?' 2+' 2+G+ . ;#'' 2+' AC C(' -'4 . ; 0 .' 94+11+' +*$0 ;+' 1+' . +-$'' *' +-1 ''' "#0#0' 2 *$# ;4 2"*' ,+10' *+/4 -$+' "# . 0<'

A' S' '"", +#0'0'' ,0#0' '' 0 ,+# + '"0 . +-$'' 20' *' +-+ 0' 0*$#"-" . '0(+' 2+' "41#0*' 94+' 25+110' 2+, +-2+ . (0"*' +*10 ;+1+' . +-$"*' -0' "-0+*' 94+' $+- :0 .' +/401' #0

I ' S?' +-* -'' 20' 0*$#"-" . 0' ,#01 '0' 0"*' 014 . $ "*' 20*' +*'"10*' , "1N ' 1+': - '0(-0301' +' 2'' +8+#' $"(0'' ,+**"01' *' +-1 ''' 2+' '020' 4 . 0' 25+*' $0*' +*'"10*

7' S?' *+#3)'' 2+' 2+, "* $'' 2+' '0#$0*(#"1+ #"*(,4 ;1 '0) "+*' +' -*$#4 ' . +-$"*' -+'+**0# " ' ' -03+/0'0"('' 20' #+/410/0'' 2"*' ': #"-" . +$#"*' +' '' 20' ;"#0' " ' 01(' +*'"10' -0301

0#0(2+*+ . ,+-;'' 2"*' *+#3 '+*' -'4 . ; 2"*' 2+' -"3'' ' +*'"10' -0301' " ' 0'#+*'+-$02'' '' 9402#'' 1+/01' 25+110' '" . ' 0' '#+0'0'' 2+' 01/4-*' 9/0#+*' B+-$#+' "*' 940+*' '' 2+' 4 .' ,#" +**"# 048 1 0# ,0#0' '' +-* -'' 20' 0*1#"-" ' . 0 (+' *+' 2+#0 .' 0*' ,#"3 2+-' 0*' 02 . - *1#01 30*' +' +'"-" . '0*' +*, +' ' '020*' -0' . +* . 0' '0#$0' 1+

0*' -$+#+**0' ' : *$"# 0' 1 $$+#0#10' 2'' -"**'' ,0 G' '' *0 ;+# *+' , "#94+' . "$ 3'' *+' +-$+-2+4' 94+' 2+3 0' *+# +8 -'$'' +*$+' +*10 ;+1+' . +-$" ' 10' #+*, + $'' , "2+ . "*' 0, #+*+-$0# *+/4#"*' +1+ . +-$"*' 2+' - "# . 0' 0"' '' ,#+0 . ;41'' 20' ' $020' ,#", "*$0' 2+' 1+' 2 G 0' '' /"3+#-'' 94+' '' ;*+#301"# '' *$#"-" . '''' 2+' 0# -;0' -0'' , "2 0' 2+*+ . ,+-;0# '"-3+' - +-$+ . +-1+' 01/4 . 0*' 20*' . 0 *' . , "#$0-$+*' 011# ;4 /"+*' 94+' 1+/01 . +4$+' :+' . '4 . ; 0 .' #0' . , "** 3+1' 0' '"", +#0/0'' + '0G' ,0#0' '' 0, +# + /"0' -+-$'' 20' 0*$#"-" . 0' +' *' +-' 0*' *40*' 2+, +-2+-$+*(940+*94+# 94+' "*' *+#0' "*' +* "#/"*' + . , #+/02"*' , +1'' , +**"01' *' +-1 ''' 2'' ";*+#301"# "(01' $+-$0*' 0*' "-2 /"+ ' +*, +' 0+*' +' +*$02'' 2+' #4 -0' 2'' #+*, +'$ 3'' +2 ' " "# "41#'' 102" (01/4 . 0*' 011# ;4 /"+*' 1+/0+*' , "2 0 . (*+ .' -'"-3+' - +-$+' 2'' *+#3 /"(0-$+*' '" .' 2+' 2 20' 30-10/+ .' 25+*$+(*+# $#0-* +# 20*' , 0#0' "41#"*' +*$0 ;+1+' . +-1"*' 2'' +*$02"' "# +8+ . , 1"('' +-* -'' 20' 0*' $#"-" . 0' , #01 '0' 0"*' 014#0-"*' 20*' 2 +#+-$+*' +*'"10*' *4 , +# "#+*' 20' '0R , $01(, "2 0('9 .' 30-10/+ .' +' +'"-" . 0(*+# , "*$'' 0' '0#/'' 2'' , +**"01' 2"'+-$+' 2+' '020' 4 . 0' 25+*$0*' +*'"10*' ' *'"10' 0301' , "2 0 .' 0- -+80#' *+' "*' *+#3 /"*' 2+' 2+, "* $'' 2+' '0#$0*' +' -*$#4#0+-$"*' . 0# $. "*(#+/410' /"+*' 2+' ' :#"-" . +$#"*' +' ;"#0' " ' 01E *4''+2+-2'' 94+' , 0#$+' 2'' , +**"01' #0-* +# 2'' 2'' ";*+#301"# '' 0' $0#0 ;+ .' 30-$0F"*0 . +-$+' 048 1 0# '' *+#3 /'' *' +-1 ''' 20' *'"10' 0301

-01 . +-$+('' /"3+#-'' F4*$ '030' $0 . ;+ .' 0' *40' , #", "*$0' 2+' 1+' , +10' +'"-" . 0(#+101 30 . +-1+' . , "#$0-1+(94+' #+*41$030' 20' +8$ -'/0'' 2''

0"' '0;+' 094 ' 0110# 2"' ;*+#301"# "' *1#"-" . '"' -*$ $4 2"' -0' 0 ' ,020' 20' F420' ,+1"' *#' ' +2#"' 3

"' '" . ,+$+-$+' #+ -02;' -"*' "''4,0#+ . "*' '" . ' +**+' +*$0;+1+' . +-$"' *' +-$ '"(94+' :"F+' BACVC ' $+#-' 0' 2+-" . -0/0"' 2+' % ' 9 ' 2 ' ' ' +' +' #+/4102"(0' $"2"*' "*' #+*,+ $"*(,+10*' 2 *,"* ' /"+*' 20' '0#$0' 2+' 1+' 2+' 6' 2+' . 0 "' 2+' ACVC

5+*$+' +*$0;+1+' . +-$"' 2+ . "* -"$ ' 0' -"' $" . "' (,0/ ' 7?6' 0' 7?W(#+10$ 30 -+-$+' 0"' #+ -02"' 2+' ' "0"' 3 (+ . ' 94+' " ' '#+02"' ,+1"' 2+'#+$"' 2+' AA' 20' *+1+ . ;#"' 2+' ACI>

"' $" . "' 3((,0/ ' IVD' +' IV6(0,"-$0 . "*' "' 94+' +#0' #+10$ 3+' 0"' ,+ ' # "2"' 20' #+/+-' 0' 20' *+-:"#0' ' G0;+1' 0# 0' BACI6 ACIC E' +' 0/"#0' -"' #+ -02"' 20' *+-:"#0' ' 0# 0' (*" . "*' ':+/02"*' 0' +,"'0' + . ' 94+' 0' ' ' # 0' +/ 0' $:"/#0,: '0' 2+ 80' 2+' *+#' 4#-' +*$0;+1+' . +-$"' -2+,+- ' 2+-$+(+' '0' *4F+ $"' 0' 02 . - *1#0/0"' 20' '02+ . 0' 2+' +110*' #$+*

+1"' 2+'#+$"' 2+' 6' 2+' 2+G+ . :#"' 2+' AC76(+' 0$1+-2+-2"' ' #+,#+*+- ' $0'0"' 20' '02+ . 0' 2+' +110*' #$+*' 2+' *;"0(02",$"4' "' /"3+#-"' 0' *+ ' /4 -$+' ,#"3 2+-+ 0<

1 L' ' $ ' -0' 0' "-01' $:"/#0,; '0' '0' * F+ $0' 0' 02 . - *$#0/0"' 20' '02+ . 0' 20*' +110*' #$+*' 2+' *;"0

L' ?' '"#,"' '0$:+2#0$ '"' 20' . +* . 0' 0'02+ . 0' +1+/+#0' $"2"*' "*' 0- ' -"*' 4 . 0' '" . . **0"('"#0,"*$0' 2+' $#+*' 2"*' *+4*' . + . ;#"*(94+' *+' -0"' 0':0#+ . ' + . ' + +'$ 3+' *+#3 /"' 2+' '02+ #0(,0#0' 02 . - *$#0#+ . ' 0' *";#+2 $0' " 1 ' -0

7 ' ' 0'02+ . 0' ,#",'#0' $#+*' ,+**"0*(,0#0' 2||+-$#+' +110*' "' /"3+#-"' +*'"11 +# 4#-' *'01(94+' '0#0' +*,+' 01 . +-$+' +-'0##+/02"' 2+' *'01 *0# 0' /+#+-' 0' 20' #+ +# 20' 02 . - *$#0/0"

> ' S ' 0'02+ . 0' 0,#+*+-$0#0' ,0#0' +*$+' . ' 0*' -*$#4'/"+*' +' #+/4 ' 10 . +-$"*' -+'+**0# +*(94+' 2+3+ . ' *+# *4; . +$$ 2"*' 0' . -:0' #+01' 0,,#" ' 30/0"

7 L' *' + . ,#+/02"*' -0' '" . . **0"' 02 . - *$#01 30(+' -0' *'01 *0/0"' || 20' " 1 ' -0' 1 $:"/#0,: '0(-0"' 3+-'+#0"' ,"# **"' "#2+-02"' "4' /#0$ '0 ' /0"' 01/4 . 0

6 S' +10' -" . +0/0"' 20' '" . . **0"' +' 2"' *'01' '0' '+**0-2"' 0' 2 #+' ' /0"' 25094+110' " 1 ' -0' 94+' :03 0' * 2+' '"- +# 20' 0' "0"' "*+' +'"9

J ˢN;7ˢ J

+1"ˢ 2'+#+$"ˢ 2+ˢ Wˢ 2+ˢ *'1+ . ;#"ˢ 2+ˢ AC7Vˢ "ˢ 202"ˢ #+/410 . +-1"ˢ ˢ " 1 ' -0ˢ 1 :"/#0, : '0(ˢ 2+," *ˢ 2+ˢ :03+#ˢ * 2"ˢ '"- 020ˢ 0ˢ 02 . - *1#0,0"ˢ 20ˢ '02+ . 0ˢ 20*ˢ +110*ˢ #$+*

"*ˢ $+# . "*ˢ 25+*$+ˢ #+/410 . +-1"(ˢ +#0ˢ 0ˢ " 1 ' -0ˢ ";# /020(ˢ '" . "ˢ +*ˢ $0;+1+' . +-1"ˢ ,4;1 '"(ˢ 0ˢ 0G+#ˢ $"2"*ˢ "*ˢ $#0;01:"*ˢ 2+ˢ *40ˢ '" . ,+1+-' 0ˢ 94+ˢ 11 +ˢ "**+ . ˢ "#2+-02"*ˢ ,+10ˢ '02+ . 0ˢ 2+ˢ +110*ˢ #$+*ˢ 2+ˢ *;"0(ˢ "4ˢ +-'" . . +-202"*ˢ ,"#ˢ "4$#0*ˢ #+,0#1 /"+*ˢ ,4;1 '0*(ˢ +ˢ ,+**"0*ˢ ,0#1 '4ˢ 10#+*(ˢ . +2 0-1"ˢ ,#+/"*ˢ #0*"03+ *

+-1 4#0ˢ 2+*+-:"(ˢ "4ˢ '"11+'/;+*ˢ 2'*$ -020*ˢ 2ˢ -*1#4'/0"ˢ ,4;1 '0ˢ 2"*ˢ 014 . -"*ˢ 20ˢ 0'02+ . 0(ˢ *+# 0 . ˢ 1 1:9/#0, :02"*ˢ *+ . ˢ ,#+3 "ˢ +80 . +ˢ +ˢ 0, ,#"ˢ 30/0"ˢ 25+*$0(ˢ 94+ˢ ,0#0ˢ **"ˢ :+*ˢ ,"# 0ˢ "ˢ *+4ˢ #+*,+'$ 3+ˢ *+11"ˢ "4ˢ # . 0

ˢ #+*,"-*0; 1 202+ˢ . ,"*10ˢ 0"*ˢ 1 $:"/#0, :"*ˢ ,+10ˢ 1+ˢ 2+ˢ I Iˢ 2+ˢ 2+ˢ G+ . ;#"ˢ 2+ˢ AC7>(ˢ ,+1"*ˢ 0;4*+*ˢ 2+ˢ 1 ;+#202+ˢ 2+ˢ . ,#+-*0(ˢ *+# 0ˢ +8 / 20ˢ 2"ˢ *'01ˢ 20ˢ " 1 ' -0ˢ 1 :"/#0, : '0Eˢ 2+3+-2"ˢ *+#ˢ "ˢ *+4ˢ -"#0+ˢ +ˢ "ˢ 20ˢ "11 ˢ ' -0ˢ 2+'10#02"*ˢ + . ˢ 1"2"*ˢ "*ˢ ,0,+ *ˢ 1 $:"/#0, :02"*(ˢ "4ˢ +*10 . ,02"*(ˢ 94+ˢ - ˢ "**+ . ˢ 2"*ˢ #+ . +$$ 2"*ˢ ,+10*ˢ #+,0#$ /"+*ˢ ,4;1 '0*

?ˢ *'01ˢ 20# 0ˢ '"-$0ˢ . +-*01ˢ + . ˢ '"- +#+-' 0ˢ 2+ˢ 0'02+ . 0(ˢ 20ˢ #+'+ $0ˢ +ˢ 2+*,+G0ˢ 20ˢ " 1 ' -0(ˢ 3+# '0-2"ˢ ,"#ˢ 2"'4 . +-1"*ˢ 940+*ˢ "#0 . ˢ 0*ˢ ";#0*ˢ 2+ˢ 94+ˢ *+ˢ +-'0##+/"4(ˢ "ˢ ,#+/"ˢ 2"ˢ 0F4*$+(ˢ "ˢ -4 . +#"ˢ 2+ˢ +8+ . ,10#+*ˢ +*R 10 . ,02"*(ˢ ˢ 14'#"ˢ 94+ˢ ,#"24G #0 . (ˢ +ˢ 0ˢ 2+*,+G0ˢ + +'$ 30ˢ 2"ˢ +*10;+1+' ˢ . +-$"(

'030 . ˢ *4;"#2 -02"*ˢ 0"ˢ *'01ˢ "*ˢ 0#$ *10*ˢ 94+ˢ *+ˢ "''4,0**+ . ˢ -"*ˢ $#0;01:"*ˢ 20ˢ " 1 ' -0(ˢ + . ˢ $42"ˢ "ˢ 94+ˢ -0"ˢ "**+ˢ '"-$#0# "ˢ 0ˢ +*1+ˢ #+/410R . +-1"(ˢ +ˢ +*$0141"*ˢ 20ˢ 0'02+ . 0(ˢ ,+1"*ˢ 940+*ˢ *+# 0 . ˢ #+/41020*ˢ 0*ˢ ;"#0*ˢ 2"ˢ #+*,+'1 3"ˢ #0;01:"ˢ ˢ

?ˢ *'01(ˢ 2+ˢ 0'"#2"ˢ '" . ˢ 0ˢ '" . . **0"ˢ 02 . - *$#0$ 30(ˢ ,"2+# 0ˢ ,#"R ,+#ˢ 0ˢ 0'02+ . 0ˢ $"20*ˢ 0*ˢ , ‖"3 2+-' 0*ˢ 94"ˢ F41/0**+ˢ '"-3+ +-1+*ˢ ,0#0ˢ "ˢ . +11 "#0 . +-$"ˢ ,#"/#+** 3"ˢ 20ˢ " 1 ' -0(ˢ +ˢ ,0#0ˢ *+ˢ ,"2'#+ . ˢ '"11 +#ˢ 25+*10ˢ 0*ˢ 30-10/+-*ˢ $"20*ˢ 94"ˢ 0*ˢ -0/"+*ˢ . 0 *ˢ '4110*ˢ '"1:+ . ˢ 25+*$"ˢ #0 . "ˢ 2+ˢ -R 24*ˢ #ˢ0

. ˢ '0*"ˢ 4#/+-$+ˢ ,"2+# 0ˢ 0ˢ '" . . **0"ˢ 02 . - *$#0$ 30ˢ 2 # / #ˢ . ˢ . +2 0$0 . +-$+ˢ 0ˢ 0'02+ . 0ˢ 9 0194+#ˢ #+,#+*+-$0'0"ˢ ",,"#14-0(ˢ 0ˢ 1 -ˢ 2+ˢ 94+ˢ 0ˢ '"- +#+-' 0(ˢ "43 2"ˢ "ˢ *'01(ˢ $" . 0**/ˢ 0ˢ #+*"14/0"ˢ 94"ˢ . 0 *ˢ '"-ˢ 3 +**+

ˢ 0'02+ . 0ˢ +#0ˢ . ,"*10ˢ 0ˢ ";# /0/0"ˢ 2+ˢ "#00#ˢ '"-$0*ˢ 0--401 . +-$+ˢ 0"ˢ *'01(ˢ +ˢ 2+ˢ +8+#' $0#ˢ 0ˢ . 0 *ˢ # /"#"*0ˢ *'01 *0/0"ˢ *";#+ˢ "ˢ ,+**"01ˢ +ˢ . 0$+# 01ˢ 20ˢ " 1 ' -0

' ' '

' $ ' % 1 ') 0 " ' * + & &, # ' $ 6 # && ' + 0 ' 0 $ ' $ 0 * ' + " 2 " % 0) ' " ' &) ' 5 % + " 0 1 # +, ' # 1 ' ' % ' 0 && # +, 0 ' 0 ' & * # " 0 " ' $)) * 0 J $ ' %) ') 0 " ' " * 1 0 + " 0 ' $ 6 # && ' 0 $ $ 0 * 0 ' &) " 0 0 ' % % + 2 # &0) ' " 0 ' " " 0 ' 5 % + " 0 1 # +, ' * 1 ' ' % # 0 && # +, 0 ' 0 ' * 1 1 % % " 0 " # , +) #)) # *, % 0) ' " & (1 * + &

' '

" ' $ " . " ' (, 0 / ' > I > ' 0 ' > I C (' " - * 0 / # . " * ' 4 . ' ' 0 , $ 41 " ' * - " $ ' 0 * ' : * $ " # ' " 1 + / * 10 $ 30 * ' * " ; # + ' 0 * ' " - 3 + -) " + * ' 1 $$ + # 0 # 0 * ' + ' 0 # $ * $ ' 0 * ' ' + 1 + ; # 0 ' 20 * ' + - $ # + ' " # $ 4 / 01 ' + ' " 4 $ # 0 * ' - 0 / " + * E , 0 # $ ' 410 # * 0 - 2 " (, " # + . (2 + $ + # . ' - 020 . + - $ + ' " ' 94 + ' 2 G # + * , + $ " ' 0 " ' # + - 02 " ' 20 ' * + - : " # 0 ' ' 0 # (0 ' # / " # 0 ' 30 # 0 " * 0 , " - $ 0 # 0 ' 1 + / * 10 / 0 " ' 2 " ' . + * . " ' , + # " 2 " ' * " ; # + ' 0 ' , # " ' , # + 202 + ' 1 $$ + # 0 # 0 ' + ' 0 # 1 * $ ' 0 ' - 0 ' * 40 ' / + - + # 01 202 + (' + ' 2 + , " * ' $ " . 0 # + . " * " $ 0 ' 2 + ' 01 / 4 - * ' + 1 + . + - $ " * ' 2 + ' + * $ 42 " ' 2 5 + * $ + ' . , " # $ 0 - $ + ' 0 * * 4 . , $ "

" ' 0 - - " ' 2 + ' AC7W ' 0 , # + * + - $ " 4 ' 1 . + 20 ' 0 ## + $$ ' ' 0 . 0 # 0 ' + 1 + ' $ 30 (20 ' 940 1 ' + # 0 ' . + . ; # " (4 . ' , # " F + ' 1 " ' 2 + ' 1 + ' * " ; # + ' 0 , # " , # + 202 + ' 1 $$ + # 0 # 0 ' * * + ' , # " F + ' $ " ' ' : + / " 4 ' 0 ' * + # ' 2 * ' 4 $ 2 " ' + ' 0 , , # " 302 " ' - 0 ' * + * * 0 " ' 1 + / * 101 30 ' 2 + ' AC7A ' " . " (, " # + . (- 0 " ' , 0 * * 0 * * + ' , " # ' 1 " 2 " * ' " * ' $ # 0 . $ + * ' , 0 # 0 ' * + # ' " - 3 + # $ 2 " ' + . ' 1 + ($ " . " 4 ' " ' / " 3 + # - " ' 20 ' 2 ' $ 024 # 0 ' 2 5 + * * 0 ' + , " ' 0 ' 0 # + * ' , " - * 0 ; 1 202 + ' 2 + ' " ' 2 + ' # + $ 0 # + . ' 20 $ 0 ' 2 + ' C ' 2 + ' F 41 : " ' 2 " ' . + * . " ' 0 - - " ' 2 + ' ACDA

11 + / 030 ' " ' / " 3 + # - " (94 + ' 0 ' * " ; + # 0 - 0 ' 94 + # 0 ' 0 * * / - 010 # " ' * + 4 ' # + - 02 " ' ' " . ' 4 . ' * " 1 + # 0 - + ' $ + * $ + # 04 - : " ' 2 + ' 940 - $ " ' 2 + * + F 030 ' , # " $ + / + # 0 * ' 0 # 1 + * (0 * ' * ' + - ' 0 * ' + ' 0 * ' 1 + $$ # 0 * (, # + * $ 0 # : " . + - 0 / + . ' ' " # / 0 ' -$ + 11 + ' $ 401 ' + ' 0 " ' , " ' 2 + # ' 2 " ' + * , # $ " ' 94 + ' " ' * N * $ + . 0 ' # + , # + * + - $ 0 $ 3 + ' # + ' " - : + ' + ' + ' : " - # 0 (' " - ' * 0 / # 0 # " * ' 2 # + $ " * ' 2 " ' , + - * 0 . + - $ " (+ ' " # $) ' 0 # 0 - 20 ' . 0 * ' 2 5 + * $ + ' . " 2 " ' 0 ' 1 ; + # 202 + ' 2 + ' " ' ' " # 0 . 4 - ' 0 #

' , " # 940 - $ " ' " , # " F + ' $ " ' 2 + ' 1 + ' 2 * ' 4 $ 2 " ' + ' 0 , , # " 302 " ' , + 10 ' ' 0 . 0 # 0 ' 2 " * ' 2 + , 4 $ 02 " * ' + . ' ACDA ' + * $ 030 ' 4 - 202 " ' - " * ' , # - ' , " * ' 20 ' F 4 * $ / 0 ' + ' 20 ' ; " 0 ' # 0 G 0 " (+ ' - 5 + 11 + ' * + ' 0 ' : 030 . ' ' " 2 ' 020 * ' $ " 20 * ' 0 * ' # + / # 0 * ' F 0 ' 02 " , $ 020 * ' + ' + 8 , + # . + - $ 020 * ' , + 10 * ' 1 0 / " + * ' . 0 * ' ' 4110 * ' 2 " ' . 4 - 2 " ' ' 3 1 * 02 " ' ' " - ' 3 + # $ + 4 ' " ' / " 3 + # - " ' " ' 2 $ " ' , # " F + ' $ " ' + . ' 2 + ' # + $ "

* * + ' 2 + ' # + $ " (94 + ' # + * 41 $ 0 # 0 ' 2 " * ' , " 2 + # + * ' 2 * ' # ' " - 0 # " * ' 0 * * 4 . 2 " * ' + . ' 2 ' $ 024 # 0 ($ + 3 + ' 2 + , " * ' 0 ' * 0 - ' / 0 " ' 1 + / * 10 $ 30 (+ ' , " # ' " - * + 9 - + - ' 0 ' " ' 0 # 0 ' $ + # + ' " # / 0 ' 2 + ' 1 +

+-2"' 2 +' "' ," -$"' 2+' ,0#1 20' ,0#0' "' +*$42"' 20' 1+/ *10)0"' ,"#$4 '
/4+G0' *";#+' 0' ,#",# +202+' 1 11+#0# 0(' +' ,0#0' 0' 0,#+' 0/0"' 20*' #+*,+'1 '
30*' '"-3+-/"+*' -$+#-0' "-0+*< 1"#-0 *+' -2 *,+-*0N+1' 94+' 094 ' "' . +- '
' "-+ . "*

' $0-1"' . 0 *' +' *$"' -+'+**0# "(' 940-1"' +#0' . 4 $"*' 2"*Z *+4*' ,#+'+ '
$"*' *+' #+ +#+' 0' +*$0;+1+' . +-$"*' -$+#+**0-$+*(' 940+*' *0"' "' "-*+#30$"# "'
+01' 2+' *;"0(' 0' '02+ . 0' 20*' + 0*' #1+*(' 0' ;1 "$:+'0' 0' "-01' +'
0' . ,#+-*0' 0' "-01

" . ,;+ *+' 2+' ' -'"' $ $41"*E -*'#+3+-2" *+' "' A U< # ' ' '
' "' I U< ' ' ' "' 7 L< ' * ' ' '
' ' "' [> ' ' ' ' "' D Z< * ' ' "' 6 S<
* P*

," -$+ . "*' "*' ,# -' , "*' /+#0+*' *";#+' ' ' '
?' 2 #+ 1"' 2+' ,4;1 '0# "4' 2+' 04'1"# *0#' 0' ,4;1 '0/0"(' "-' 0' #+ '
,#"24'/0"' 2+' 4 . 0' ";#0(' +#0' 1"2"' "4' +#0' ,0#$+(' ,+10' 1N,"/#0,: 0(' ,+10'
/#,34#0(' ,+10' 1 1:"/#0,: 0(' "4' ,"# 940194+# "4$#"' . + "(' ,+#$+-'+' +8 '
'14* 30 . +-$+' 0"' 04'$"# 24#0-$+' 0' 3 20

8'+,$40#0 *+' 0*' ' $0/"+*' +8 #0 20*' 2+' 940194+# 1 3#"' ,0#0' "4$#"(' "4'
,0#0' ,+# "2 '"*' 1 $1+#0# "*' "4' ,"1 $ '"*E +' "*' 0#$ /"*' 25+*$+*' 2+' 4-*' ,0#0'
"41#"*(' ' 10-2" *+(' ,"#+ . (' "' 1 3#"' "4' ,+# "2 '"' 25"-2+' *+' +81#0 # 0' ' '
10/0"

I ' L' +," *' 20' . "#$+' 2"' 04'$"#(' "' #+ +# 2"' 2 #+ $"' +' . 0-$ 2"' ,"#
. 0 *' $# -10' 0 -"*' 0' 03"# 2"*' ;+#2+ #"*(' "4' 2+' 940+*94+# "41#"*' #+,#+ '
+-$0-$+' 2"' 04'$"#(' '"- "# . +' 0*' #+/#0*' 2+' 2 #+ $" '

7 ' L' ?' 04'$"# ,"2+#0(' *+ - ,#+' +' +#0' $"2"' "' '0*"(' 2 *,"# 3#+#0+,$+(
,"# 2"0/0"' +-1#+' 3 3"*(' "4' ,"# '04*0' 2+' . "#$+(' "4' ,"# 940194+# "4$#"'
. "2"' 2+' $#0-*. **0"(' 25+*$0' ,#",# +202+(' 94+' *+#D' :03 20' '" . "' 3+# '
202+ #"' ,+'41 "' 940*' '0*1 +-*+

> ' L' ?' ,#",# +$0# "(' ,"# *4''+**0"-24' ,"# 940194+# "4$#"' $ 141"(' 2+'
4 . 0' ";#0' ,"*$:4 . 0(' /"*0#0' 2"' 2 #+ 1"' +8'14* 3"' 2+' 0' ,4;1 '0# "4' 2+'
0-'1"# *0#' 0' ,4;1 '0/0"' 2W+110(' 24#0-$+' # -$0' 0--"*

D ' U ?' 04'$"# ,"2+#> '+2+# "' 2 #+ $"' +8'14* 3"' 2+' ,4;1 '0# 0' *40
";#0(' "4' ,"# 1"2"' "' $+ . ,"' 0' +11+' +' 0' *+4*(#+,#+*+-$0-$+*' '"-'+2 2"(' "4'
,"# ,0#$+' 2"' #+ +# 2" '$+ . ," ' "' 41$. "' '0*"' "*' #+,#+*+-$0-$+*' 2"' 04'
f 1"# /"*0#0"' 25+*$+' 2 #+ $"' *6 . +-$+' -"' +*,0 ;' 2+' $+ . ,"' -0"' '" . ,#+ '
:+-2 2"' -0' 2 *,"* /0"' ,"# +11+' + $0

?' 2+'#+$"' #+/410(' 10 . ;+ .' -5+*$+' ,0#$ '410#(' "' 2 #+ $"' +8'14* 3"' 2"'
$02"E "' 20*' 0'02+ . 0*' +' "4$#"' '"#,"*' 1 1$+#0# "*' "4' *' +-$ '"*< "'
2"' +2 $"# 2+' 4 . 0' ";#0' ,"*$:4 . 0' 0-$+# "# 0"' *+'41"' 83 E "' 2"' +2 $"#

2+' '0 - '2+*' -0' "-0+*(,#"3+#; "*(+$' ('"-*+#302"*' 4- '0 . +-$+' ,+10($#02 /0"' "#01É "' 2"' +2 $"# 2+' 4 . 0(";#0(0-"-N . 0

" . "' :" . +"0/+ . ' 0(. "#01 202+(0**+-10("' 2+'#'$"' "' ,# - ' , "' 2+' 2+' 94+' K0(1+' -0"' ' 0(,#", # +20'1+' 20*' ";#0*' ";*'+-0*(2"*' 1 ;+1 ' 1"*' 2 0 . 0$"# "*(-+ . ' 2+' 940+*90+#' " 1#0*' '" . ,"* ' +*' +*, 4# 0*' +' 2+' . 0- +*$0($+-2+-' 0(. . "#01

9 ' 1 ' B $'

' ";#0' 2#0 . 0$ '0*' 2"*' 04'$"#+*' 3 3"*' -0"' , "2+#0"' *+#' #+, #+*+- ' $020*' + . ' -+- : 4 . ' $: +01#"' , 4 ; 1 '"(-"' 9401' *+F0(, 0/0(0(+-$#020(*+ . ' "' '"-*+-$. +-$"(, "#' +*'# , 1"(2"*' . +* . "*' 04'$"#+*

-1+-2+' , "#' ";#0(2#0 . 0$ '0(, "*1 : 4 . 0(0 94+' -4-'0("' #+, #+*+- ' $020(+ . ' $: +0$#+' , 4 ; 1 '"(-"' 9401' "*' +*, +'$02"#+*' , 0/0**+ . ' , 0#0(+- ' $#0#(24#0-$+' 0(3 20(2"' 04'$"#É 0 -20(94+(24#0-$+' 0(. +* . 0(3 20(0(#+ ' +# 20(, +/0(+*$ 3+**+' , 4 ; 1 '0(, +10(#0, #+-*0

$0' $0+*' ";#0*' 2#0 . 0$ '0*' -0"' , "2+#0"' *+#' #+, #+*+- $020*' *+#0(04'1"# *0"0"(, "#' +*'# , $"(2"*' *+4*' , #", # +$0# +*('4F"' 2 #+ $"' 24#0#0($# -$0(0- -"*' '"-$02"*' 20(, # . + #0(#+, #+*+- $0/0"' 20(";#0

+/410("*' , #"3+ $"*' 2"*' 04'$"#+*' '" . ' #+ +#+-' 0(0"' , #"24'$"' 2+' '020(#+' $0($: +0$#01É 0 +-$#020(#0-'0(-"' $: +0$#+(+ . ' : N, "$: +*+*' 2 3+#' *0*É "*' -$+#+**+*' 2"' '"-*+#30$"# "' #+01(

*$0; +1+'+' "' , # - ' , "' 2+' 94+' 0(. , #+**0"' 20(";#0(2#0 . 01 '0(-0"' 01$+#0(0(2 *, "* 0"' 20(1+ (+' 2+' 94+' "*' 2 #+ $"*' 2"*' 04'$"#+*' +' 2+' *+4*' #+, #+*+- $0-$+*' *0"' "*' . +* . "*' 94+' -"' , # - ' , "' 0, "-$02"*(-"' $"'0-$+' 0(, 4 ; 1 '0'0"' , +10(. , #+-*0

' ' ' ' ' B $'

?' 04'$"#' 2"' 2+*+- : "(2+' 4 . ' 9402#"(2+' 4 . 0(";#0(2+' +*'41, 14#0(2+' 0#' : $+'$4#0("4' 2+' 940194+ ;#0(0-01"/0($+#2' "' 2 #+ $"' +8'14* 3+' 2+' 0(#+, #"24G #("4' 04'$"# *0#' 0(#+, #"24' 0"' 25+110(, +10(/#034#0(, +1"' 2+*+- : "(, +10(. "120/+ . ("4' , "#' 940194+#' "4$#"' . + "

*$+' 2 #+ $"' 24#0#' , "#' $"20(0(3 20(2"' 04'$"#' +, " *' 20(. "#$'("*' *+4*' : +#2+ #"*' "4' #+, #+*+- $0-$+*' /"*0#09' 2"' #0+* . "' , # 3 1+/ "(-"*' $+##0"*' 20*' #+/#0*' , #+'+2+-$+ . +-$+' +*$0; +1+' 20*< 4-*' +' "4$#"*' , "2+R #0"' '+2+#' "' *+4' 2 #+ $"

9 ' 1' ' B $' 3

' 04'$"#+' +' *+4*' #+, #+*+- $0-$+*' /"*0#0"(940-$"' 0(, 4 ; 1 '0/ 0"' 2+' *40*' ";#0*' , "#' 940194+#' . "2+' 2+' #+, #"24') 0"' 94+' *+F0(2"*' 2 #+ $"*' , #+'+2+-$+ . +-$+' 0, "-$02"*' -"' $ $41"' A UÉ +' -"' 94+' $"'0(0(+8+'4'0"' -"*

: +0 #"ʻ "4ʻ "4$#"ʻ 1"/0#+ʻ , ;1 '"*(2"ʻ B1 #' 1"ʻ +*$0 ; +1+' 2"ʻ -"ʻ 1 ʻ 141"ʻ I U

0ʻ * ʻ ʻ +*$0 ; +1+'+ *+ʻ "ʻ ,# -' , "ʻ 2+ʻ 94+ʻ -0ʻ : N , " ʻ : +*+ʻ 2+ʻ ; +#0 - '0ʻ 30'0 -1+(0"ʻ *4''+2+# ʻ -ʻ+110ʻ "ʻ *'"E . 0ʻ '0#0"ʻ 1 ʻ 3#+*(0ʻ , ;1 '0) 0"(0ʻ #+ . ,#+**0"("4ʻ #+ ,#+*+ - $0'0"(*+ . ʻ ,#+F4 G"ʻ 1" ʻ 203 0ʻ 2"ʻ '#+2"#+*(+ʻ *013"ʻ "ʻ 2+1+# . -02"ʻ -"ʻ 0#1 /"ʻ VSʻ +ʻ 2 Sʻ 20ʻ 1+ +/410ʻ ? ʻ 94+ʻ 2+3+ʻ *+# + $"ʻ -0ʻ '02+ . 0ʻ 20ʻ +110ʻ #R 1+*("4ʻ -0ʻ ;1 "$: +'0ʻ 0' "-01("4ʻ -"ʻ "-*+#301"# "ʻ +01

"ʻ 94+ʻ 1"'0ʻ 2ʻ * ʻ * ʻ F41/0 . "ʻ 2 *, +-*03+1ʻ 0G+# +8 ʻ #0'$"ʻ 01/4-9< 0ʻ ,0#$+ʻ 2 *, "* 1 30ʻ 20ʻ 1+ (94+ʻ 2+ @0 . "ʻ #+*4#0 20(+ʻ 0ʻ 94+ʻ ,# -0 ,01 . +-1+ʻ 9402#0ʻ 0"ʻ , 0-"ʻ 2"ʻ -"**"ʻ #0 ; 01 : "

'#+'+ʻ +*, +' 01ʻ . +-/ "ʻ "ʻ 2"'#+$"ʻ 2+ʻ Wʻ 2+ʻ *+1+ . ; #"ʻ 2+ʻ ACD7(,+10ʻ ,#"3 2+-' 0ʻ 94+ʻ 2+4ʻ + . ʻ ; +-+ ' "ʻ 20ʻ 1+11#0ʻ +ʻ 20ʻ *' +-' 0*('" . ʻ #+ +#+ ' 0ʻ 2 ,#", # +202+ʻ 1 $1+#0# 0ʻ -0' "-01

ʻ 0ʻ 2 *, "* '"+ʻ 2"ʻ -2 '02"ʻ 2+'#"1"<

K #$ /"ʻ A Sʻ ʻ "; #0ʻ +ʻ , 4 ; 1 '0'""ʻ , +# "2 '0*(*' +-$ '0ʻ "4ʻ 1 1$+#0 ʻ # 0*(94+ʻ "#+ . ʻ #+ . , "#$020ʻ , "# -0"ʻ : 03+#+ . ʻ * 2"ʻ 3+-2 20ʻ -"ʻ . +# ʻ '02"ʻ +*1#0 - / + #"ʻ ,0#0ʻ "-2+ʻ $ 3+#+#0ʻ *0 2"(*+#0"ʻ 2+*, 0' ; 020ʻ -0ʻ 01 ʻ 0-2'/0ʻ '" . "ʻ -0"ʻ : 03+-2"ʻ , +#2 2"ʻ 0ʻ -0' "-01 202+

' #$ /"ʻ I Sʻ 0#0ʻ 94+ʻ $+-:0ʻ 1"/0# "ʻ 2 *, "*1"ʻ -"ʻ 0#$ /"ʻ 0-$+'+2+-1+(2+3+#0"ʻ "ʻ 2+*, 0' : 0-$+ʻ 20ʻ "; #0*(+ʻ , -; 1 '0' ; +ʻ , +# "2 '0*(. "*1#0# -0ʻ 01 0-2+/0(, "# 0$$+*$02"ʻ 20ʻ ; 1 "$: +'0ʻ 4 ; 1 '0(94+ʻ +110ʻ "#0 . ʻ . ʻ ,#+**0ʻ -"ʻ , 0 Gʻ +ʻ "4$#"* . ʻ 940-2"ʻ *+ʻ + +'$40# 0ʻ *40ʻ + 3 , "#$0'0"

+F0ʻ -"ʻ $" . "ʻ 3ʻ B , 0/ʻ I?Aʻ +ʻ I?I ʻ "ʻ 2+*+-3"13 #0+-1"ʻ 20ʻ #0G"+* + . ʻ 94"ʻ 0**+-$"4ʻ 0ʻ ; +-+$ '0ʻ , #"3 2+-' 0ʻ 2+'#+$020ʻ , +1"ʻ /"3+#-"

0"ʻ , "*$+# "#+*ʻ 0"ʻ #+ -02"ʻ 20ʻ *+-:"#0ʻ ʻ 0#0ʻ 4ʻ 2 3+#*"ʻ 2 , 1"R . 0ʻ +ʻ 2"'4#0+-$"ʻ -$+#+**0-$+ʻ 94+ʻ -+'+**0# 0 . +-$+ʻ 2+3+ . "ʻ 0 , "-$0#

** . (, "# +8+ . , 1"(+ . ʻ ACDCʻ $+3+ʻ "ʻ /"3+#-"ʻ , "# '"-3+- +-$+ʻ '"- ʻ *4 0# 0ʻ '02+ . 0ʻ +01ʻ 20ʻ ' +-' 0ʻ 2+ʻ *F "0ʻ *"; #+ʻ 0ʻ #+-"30'0"ʻ 20ʻ '"-3+-) 0"ʻ 1 1+#0# 0ʻ +ʻ 0#1 *$ '0(2+ʻ AIʻ 2+ʻ 0; # 1ʻ 2+ʻ ACDA(+-$#+ʻ "#$4R /01ʻ +ʻ 0ʻ #0-'0(+ʻ 0ʻ '+1+; #0/0"ʻ 2+ʻ "4$#0ʻ '" . ʻ 0ʻ +ʻ , 0-:0ʻ 0$0ʻ 2+ʻ AC6Aʻ 0ʻ '" . #04- '0'0"ʻ 2"ʻ /"3+#-"ʻ 0"ʻ , 0#10 . +-$"ʻ *"; #+ʻ "ʻ +*$02"ʻ 2+ʻ '" *0*(-"ʻ $"'0-$+ʻ 0ʻ -"30ʻ '"-3+-'0"ʻ '" . ʻ 0ʻ #0-'0ʻ ʻ +**+ʻ . +*#0"ʻ 0--"ʻ 20$0ʻ 0ʻ '"-3+-/0"ʻ *"; #+ʻ 0 , #", # +202+ʻ 1 $$+#0# 0ʻ +ʻ 0#1 *$ *$ '0ʻ +: 1#+ʻ "#$4/01ʻ +ʻ 0ʻ +*, 0-: 0ʻ +$'

+ *+(, "# $0-$"(94+ʻ *"ʻ , "*$+# "# . +-$+ʻ 0"ʻ , +# "2"ʻ 94+ʻ "#0ʻ -"*

J ˢN ; <ˢ J

"''4 , 0ˢ BAC7>ˢ 0ˢ ACD7 ˢ $+# 0 . "*ˢ " , , "#$4-0ˢ "''0* 0"ˢ 2+ˢ , #"*+/ #ˢ "ˢ 2+* ˢ +"3"13 . +-$"ˢ 1 *$"# '" 1+/ *10 3"ˢ 25+*1+ˢ 0**4 . , 1"< . 0*ˢ $0"ˢ . , "#10-1+ˢ +ˢ +*$+(94+ˢ *+# 0ˢ 4 . 0ˢ 01$0ˢ . , +#2"03+1ˢ -0"ˢ #+4- #ˢ 094 ˢ 01/4-*ˢ +1+ . + ˢ $"*ˢ 2+ˢ +*$02 ,

4 . , #+ˢ 2+'10#0#ˢ 2+*2+ˢ F2ˢ 94+ˢ 0ˢ , #" , # +202+ˢ 1 $$+#0# 0ˢ +ˢ 0#$ *1 '0ˢ +*$0ˢ ; "F+ˢ #+/41020ˢ , +1"ˢ '"2 /"ˢ ' 3 1ˢ , "#14/4+G(

0"ˢ . 4 1"ˢ 2+ˢ , "-2+#0#ˢ "*ˢ '"-'+ $"*ˢ 94+ˢ "ˢ 114*$#02"ˢ 0--"$02"#ˢ 25+**+ˢ '"2 /"ˢ -"*ˢ 0 , #+*+-$0<

K ˢ , #" , # +202+ˢ 1 $$+#0# 0ˢ 2+3 0ˢ $+#ˢ 0ˢ . +* . 0ˢ 24#0'0"(+ˢ *+#ˢ $#0-*ˢ . ** 3+1ˢ 2+ˢ /+#0/0"ˢ + . ˢ /+#0/0"('" . "ˢ 0ˢ . 0$+# 01ˢ ˢ , #" , # +202+ˢ -0"ˢ . 420ˢ 2+ˢ -0$4#+G0ˢ , "#ˢ *+#ˢ 2 *1 -'$0ˢ 0ˢ . 0$+# 0ˢ +ˢ 0ˢ "# /+ . ˢ 2"*ˢ , #"24 ˢ '$"*(0ˢ 94+ˢ *+ˢ 0 , , 1 '0ˢ " . ˢ #0G0"ˢ 2 Gˢ 4#-ˢ 2 *1 -'$"ˢ +*'# , $"#< ˢ * * ˢ ˢ ˢ Uˢ ˢ ˢ ˢ ˢ * ˢ /ˢ ˢ ˢ 2ˢ ˢ *B ˢ ˢ ˢ ˢ ˢ ˢ ˢ * ˢ ˢ ˢ (2ˢ (ˢ 2ˢ ˢ ˢ $ ˢ - ˢ ˢ ˢ ˢ ˢ ˢ ˢ 2ˢ ˢ * ˢ ˢ ˢ * ˢ ˢ ˢ ˢ ˢ * * ˢ Uˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ 2 ˢ , ˢ * + ˢ ˢ ˢ ˢ * ˢ ˢ ˢ ˢ * * ˢ ˢ * * ˢ ˢ ˢ * ˢ ˢ 3+#202+ #0ˢ +*$0ˢ 2"41# 40(+ˢ 0''+ ˢ $03+1ˢ , #0$ '0 . +-$+ˢ *" ; ˢ $"2"*ˢ 0* , +'$"*

K ˢ , #" , # +202+ˢ 1 $$+#0# 0(94+('" . "ˢ $0-$"*ˢ "4$#"*ˢ 2 #+ 1"*(2ˢ ˢ ˢ ** ˢ ˢ ˢ B ˢ ˢ * ˢ +ˢ 94+ˢ 1 "F+ˢ -0"ˢ $+#-ˢ /0#0-$ 0*ˢ F4# 2 '0*ˢ *+-0"ˢ '" . ˢ /#0-2+*ˢ #+*1# '/"+*(:0ˢ 2+ˢ 0'0 ; 0#ˢ 0ˢ *40ˢ , #"/#+**0"ˢ : *$"# '0ˢ +ˢ #0' "-01('"11"'0-2" *+ˢ -0*ˢ . +* . 0*ˢ '"-2 '/"+*ˢ F4# 2 '0*ˢ 20ˢ , #" , # +202+ˢ . 0$+# 01Z H

ˢ , #" , "* $"ˢ 20ˢ -2 '0/0" J ˢ ˢ ** ˢ ˢ B ˢ ˢ * ˢ J ˢ 0'"2+ -"*ˢ Dˢ 1+ . ; #0-/0ˢ 4#-ˢ '4# "*"ˢ $#+' : "ˢ 20ˢ '0#$0ˢ 94+ˢ "ˢ , 02#+ˢ -$"- "ˢ + #0ˢ +*'#+3+4ˢ 2+ˢ " . 0ˢ 0"ˢ . 0#94+Gˢ 2+ˢ "43+0ˢ + . ˢ Vˢ 2+ˢ -"3+ . ; #"ˢ 2+ˢ A6VA<

K 0ˢ 2+Nˢ '"-$0ˢ 0ˢ 3(+8 Zˢ 94+ˢ *+ˢ +*$030 . ˢ $#024G -2"(+ˢ , "-2"ˢ + . ˢ "#2+#0ˢ 2+ˢ . , #+**0"ˢ 01/4-*ˢ 2"*ˢ . +"*ˢ *+# . "+-*(*+-2"ˢ ; 4 . 0ˢ 20*ˢ 1 -ˢ /40*ˢ 0ˢ '0*$+1 : 0-0Eˢ $+- : "ˢ -"$ ' 0ˢ 94+ˢ *+ˢ $#0$0ˢ 2+ˢ #+*$0 . , 0#ˢ "*ˢ 94+ˢ -+*R *+*ˢ +N-"*ˢ 0-20 . ˢ 2 34 /02"*(+ˢ *+#2ˢ +##"ˢ , +N"#ˢ 94+ˢ "ˢ , # . + #"ˢ +ˢ *+ . ˢ 41 1 202+ˢ 2+ˢ 94+ . ˢ 1" . 0#ˢ +*$+ˢ +#0 , +- : "ˢ ˢ 7ˢ ˢ ˢ ˢ ˢ ˢ ˢ ? ˢ -+ˢ ˢ ˢ * ˢ * ˢ , ˢ ˢ ˢ % D ˢ ˢ 8 * 2ˢ ˢ ˢ * ˢ * ˢ ˢ ˢ ˢ ˢ ˢ , ˢ ˢ ˢ ˢ ˢ ˢ * ˢ * ˢ ˢ ˢ ˢ ˢ , ˢ ˢ ˢ ˢ ˢ U

: ˢ : ˢ ˢ ˢ * ˢ ˢ # ˢ 4 ˢ 3"1ˢ -

3#"*' *+ -' 1 '+-/0' 2+' +1 #+ (' +' *+$-' , - . + #"' *+#+ . ' 3 *$"*' +' 0, ,#"30'1"*' -0' +G0' 2"' +*+ . ;0#/"' 0/"(' ,"*$"' :03+#+ . ' * 2"' 3 *1"*' +' 0, ,#"30 ' 2"*' ,+1"*' "11 ' 0+*' 2"' 0-$"' 1 ' "(' +' #2 -0# "(

130#0' 2+' A7' 2+' "41-;#"' 2+' A7VC ' #": ; 4' 94+' "**+ . ' 3+-2 2"*' "4' 2&+11+*' *+' G+**+' 4*"(' "*' 1 3#"*' 20*' # ' 94+' +G' "' 2+*+ . ;0# ' /02"# -$"- "' 20' 0 . 0(' + . ' 940-$"' -0"' "**+ . ' 3 *1"*' -0' +G0' 2"' +* ' + . ;0#/"' 2"' 0/"

130 ' 2+' 6' 2+' F411 "' 2+' A7C ' #": ; 4' 0' . ,#+**0"' +' 3+-20' -&+* ' $+*' #+ -"*(' 2"' 1 3#"' 94+' + . ' 0# *' +*'#+3+4' #' -$"- "' 2+' +-0(' ,"#$ ' /4+G(' 20' "#2+ . ' 2+' ' " . -/"*(' -1 $4102"< # ' ' ' B 2 ' ' ' # ' ' ' ' ' * . ' " . ' . -030' /#03+*' ,+-0*(' 94+#' "' 1 3#"' "**+' + . ' 10$. (' 94+#' + ' 1 -/40/+ .

130#0' 2+' 7A' 2+' 0/"*$"' 2+' A7CC ' "-$ -:0' 0*' . +* . 0*' 2 *,"* ' /"+*' 94+' "' 2+' >' 2+' 2+G+ . ;#"' 2+' ADV6E . 0*' 0//#0303O' O' ,+-01 202+

#2+-0/0"' : 1 , , -0(' 1 3' 3(' $ $' A?I ' K "#' *+' +3 10#+ . ' "*' -'"- ' 3+- +-$+*' 94+' *+' ,"2+ . ' *+/4 #' 2+' *+' . ,# &. #+ . ' -&+*$+*' #+ -"*' +' *+ ' -:"# "*(' "4' 2+' *+' . 0-20#+ . ' . ,# . #' "#0' 2&+11+*(' 1 3#"*' "4' ";#0*' + ' $0*' ,"#' -"**"*' 30**01 "*(' *+ . ' ,# . + #"' *+#+ . ' 3 *$0*' +' + 30 . -020*(' . 0- ' 20 . "*' 94+' -+-:4 . ' . "#02"#' -&+*$+*' #+ -"*' . ,# . 0(' -+ . ' . 0-2+' #0' ,# . #' -&+11+*(' -+ . ' "#0' 2&+11+*' ";#0' 01/4 . 0(' 2+' 940194+#' . 0$+# 0' 94+' *+FO(' *+ . ' ,# . + #"' *+#' 3 *$0' +' +82 . -020' ,+1"*' 2+*+ . ;0#/02"#+*' 2"' 0/"(' 2+,"*' 2+' *+#' 3 *$0' +' 0, ,#"3020' ,+1"*' "1 ' 0+*' 2"' *0-1"' " ' "' 20' -94 * /0"' ' 0':0-2"' "*' 2 1"*' 2+*+ . ;0#/02"#+*' 2"' 0/"' 94+' 0 ";#0' +' 4$ 1' ,0#0' *+' 2+3+#' . ,# . #(' 20#0"' ,+#' *+4' 2+*,0':"' 1 '+-/0' 94"' *+' . ,# . 0(' +' -0"' "' *+-2"(' 0' -+/0#0"' ' 940:F4+#' . ,#+**"#(' 1 3#+ #"(' "4' ,+**"0' 94+' *+ . ' 0' 2 10' 1 '+-/0' . ,# . #(' "4' #---20#' . ,# . #' 01/4 . ' 1 3#"(' "4' ";#0(' ,+#2+#0' $"2"*' "*' 3"14 . +*' 94+‖*+' 0':0#+ . ' . ,#+**+*(' +' ,0/0#0' ' -'"+-$0' '#4G02"*(' +$' H

130# ' 2+' A6' 2+' -"3+ . ;#"' 2+' A617 ' 0-2"4' 94+' -0"' '"##+**+ . ' *+ . ' 1 '+-/0' 2"' +*+ . ;0/"' 2"' 0/"(' "*' 1 3#"*' 94+' 3 +**+ . ' . ,#+**+*' 2+' "#0' 2"' #+ -"

**+-$"' 2+' AW' 2+' 0-+#"' 2+' A67>' *' 1 3#"*' 94+' 3 +**+ . ' 2+' "#0' -0"' 2+3 0#0' *+# 1 #02"*' 20' 01 0-2+/0(' *+ . ' *+' . 0-20#+ . ' 3+#(' '" . "' *+' OG O' 0"*' 94+' *+' . ,# . 0 . ' 2+' -"3"' "' ' 2030 *+' +*10' #0G0"< K,"#' 940-$"' -"*' 1 3#"*(f94+' 3+ . ' 2+' "#0(' +' *+' -+$$+ . ' -&+*$+' #+ -"(' 3+ . ' 01/4#00*' 3+G+*' '" *0*' . 01' *"0-$+*(' +' '"-$#0' O' 04'$"# 202+' +' #+*' ,+ $"(' 94+' *+' :+' 2+3+F

0#$0' #+/ 0' 2+' 7A' 2+' . 0 "' 2+' A671 ' #": ; 4' 0' . ,#+**0"' 2+' 1 R 3#"*' + . ' 94+' *+' $"'0**+' + . ' '" *0*' 2"' $+ . ,"' ,#+*+-$+(' "4' + . ' . 0$+# 0*' 2"' /"3+#-"

+'#+1"' 2+' A>' 2+' 0/"*1"' 2+' A 7' #": ; ' 94+' *+' . ,# . **+ .' *+ .' '"-*41$0' "*' 1 3#"*' + .' 94"' *+' #0$0**+' 20*' '" *0*' 2"' +*102"("4' #+' ,4$0/0"' ,4;1 '0

1D' 2"' 0--"' 2+' AV>>' 4#-' 2+'#+$"' BA7' 2+' F41:" (*4 . . 0 . +-1+' '4 ' # "*"< 0-2"4' 94+' *+' #"#0,+**+ .' 0*' 2+2 '0$"# 0*' 2094+11+*' 1 3#"*' + .' 94+' *+' 2030 .' $#010 . +-$"*' -2+3 2"*E ,#"; ; -2" *+' 94+' *+' . ,# . *R *+ .' 20:' + .' 2 0-1+

"' 2+'4#*"' 2+' $"2"' "' *+'41"' 83 ' '"-1 -4"4' 0' +8 *$ # 0' 0;*4#20' +' ,+#- ' "* ** . 0' 1+/ *10'0"' ,#": ; 1 30' 0' #+*, + 1"' 2"*' 1 3#"*' -20' "' 01' 30#2' 2+' 7?' 2+' F411 "' 2+' AVW7(8030' +*$0' #+/#0<

K?' 2 #+ $"' ,# 301 3"' +' +8'14* 3"' 2+' '"-'+2+#("4' -+/0# 1 '+-/0' 0"*' 1 3#"*' +' ,0,+ *(94+' 0** .' "#+ .' #+3 *$"*(+' '+-*4#02"*' ,0#0' *+' ,"2+' #+#0' +*$0 . ,0# +' '"##+# +#0' #0+4*' #+ -"*' +' 2" . - "*(*+#0' +8+#' 102"' + .' . +4' #+01' -" . +' ,+10' +*0' 2"' +*+ . ;0#/"' 2"' 0/"(+#0' 94+#-' 2+' 1+/"' $"20' 0' 01 0' F4# *2 /0"' +' 04'$"# 202+(94+' -5+*$0' ,0#$+' . +' '" . ,+$+E' '"-*$ $4 -2" 0('"#0"' 2+' 2 #+ $"' 2+3+' *+#("' $# ;4-01' *4 ,#+ . "(+' . . +' 2 01"' ' . -:0' #+01' ,+**"0' + .' $42"' "' 94+' ,+#$+-'+' 0' ,+# . **0"' "4' ,4' ;1 '0/0"' +8$+#-0' 2-*' 1 3#"*' 0#0' +*$+' -' "#2+-"' 94+' 0*' '+-*4#0*' 2' "#2 -0# "' +' 2"' *0-$"' " ' "' *'F0 .' ,#+*+-$+*' -0' .+*0' +' 0':0-2" *+' 2+1' 10*' 94+' 0*' $#+*' 04'$"# 202+*' *0"' '"- "# . +*' +#0' 0, ,#"30#' 0' 2"41# -0' 2$ 940194+# 1 3#"("4' ,0,+1(94+' *+' :+*' $+-:0' 0, ,#+*+-102"(*+' ,0**+' #0' . +2 0$0 . +-$+' 0' '"-'+2+# 1:+' 1 '+-/0' ,0#0' 0' *40' . ,#+**0"E +' 2"' '"0' $#0# "' *+' :+' -+/4+' -$+ #0 . +-$+(*+' $"20*("4' 4#00' *"' 20*' *";#+2 $0*' 04'$"# 202+*' "' :"43'# '+-*4#02"("4' #+,#"302"' -0' 2"41# -0' 2+' *40' '" . ' ,+1+-' 0< +' "' "# / -01' 20' ";#0' 94+' 0** .' "# #+,#"3020('0#0' *4, ,# ' . 2"(+' /40#202"' -0' *+'#+10# 0' 20' #+3 *0"' 20' . +*0 H' VV

"' +-$0-1"' F0' *+' $ -:0' 01'0-/02"' "' #+'"-:+' . +-$"' 20' ,#",# +202B' +8'14* 30' 2+' 4#00' +2 /0"' 2"' 1 3#"(*"1 ' $0-2" *+' ,0#0' **"' 2"' ,"2+#' *"' ;+#0-"' "' '" . ,+$+-$+' ,# 3 1+/ "(1 . $02"' 0' 4 .' '+#$"' -4 . +#"' 2+' 0--"*' ,# 3 1+/ "' 94+' *+' #+,+1 0' '" .' 0*' +2 /"+*' *4' ''** 30*

-'"-$#0 . "*' 01+' "' +8+ . , "' 2+' 4 .' ,# 3 1+/ "' '"-'+2 2"' ,"# #+' /"# "' T ' 0' "0"' 1+-# 94+*(,"# 2+G' 0--"*(,0#0' "*' ' 2' ' ' 4 ' ' 5 * D ' ' ' . 0-20-2"' "' ,"-1 ' ' #+*,+ $0# +*$0' /#0/0' ,"# $"2"*' "*' + *' 2+' :# *$"(+' 0'#+*'+-$0-2"' ,+' -0*' '"-$#0' "*' *4;2 $"*' 2"*' 2" . - "*' 0,"*$"1a"*

#0' ':+/0-2"' 0' +,"'0' 2"*' /"3+#-"*' 1 3#+*' +-'"-$#0 . "*' F0' 2+$+#' 1+# . -02"*' "*' 2 #+ 1"*' 2"*' -2 3 24"*(+' ;+ .' 802"' +' *+/4#"' "' 2 #+ ' 2+' ,#",# +202+

' '"-*$ $4 /0"' ,"1 $ '0' 20' ."-0#': 0' ,"#$4/4;G0(2+' I7' 2+' *+$+ .' ;#"' 2+' ACII(2 G 0' -"' *+4' 0#$ /"' 6 L< K ' ,#",# +202+' +' 4 .' 2 #+ $"' *0

/#02"ʻ +ʻ -3 "103+1(9 +ʻ $+ .ʻ 94019 +# ,"#$4/4+G(2+ʻ 2 *,"#ʻ *40ʻ 3"-ʻ $02+ʻ 2+ʻ $"2"*ʻ "*ʻ *+4*ʻ +-*(*+/4-2"ʻ 0*ʻ 1+ *ʻ) 40-2"ʻ ,"# 01/4 . 0ʻ #0ʻ G0"ʻ 2+ʻ -+'+** 202+ʻ ,4;1 '0ʻ +ʻ 4#/+-1+("# ,#+' *"ʻ 94+ʻ +11+ʻ *+F0ʻ ,# 302"ʻ 2ʻ+*$+ʻ 2 #+ $"(*+#0ʻ ,# . + #0 . +-$+ʻ 2+ . - *02"(ʻ -0ʻ "# . 0ʻ 94+ʻ 0*ʻ 1+ *ʻ +*$0;+1+'+#+ . (S

?ʻ #0+* . "ʻ +*$0;+1+'+4ʻ 0ʻ 0#$0ʻ "-*1 $4' "-01

ʻ '"-*1 $4 '0"ʻ 2+ʻ AC7C(#+,#"24o -2"ʻ "ʻ . +*#0"ʻ ,# -' ,"ʻ 0ʻ #+*ʻ ,+ $"ʻ 20ʻ ,#",# +202+ʻ + .ʻ /+#01("ʻ 0ʻ ,# . + #0ʻ 94+ʻ 2+* /-0 . +4$+ʻ 0,"-ʻ $"4ʻ 0ʻ ,#",# +202+ʻ 1 1$+#0# 0ʻ -"ʻ 0#$ /"ʻ I7 L( ]ʻ > L<

& #$ Lʻ I7 Lʻ ʻ /0#0-$ 2"ʻ "ʻ 2 #+ $"ʻ 2+ʻ ,#",# +202+ʻ " . $42"(*+ʻ "ʻ ;+ .ʻ ,4;1 '"(1+/01 . +-$+ʻ 3'#) '02"(+8 / #"ʻ + . ,#+/"ʻ "4ʻ 20 . - '0'0"ʻ 2+ʻ 940194+# ,#",# +202+(*+#0ʻ "ʻ ,#",# +$0# "ʻ ,#+3 0 . +-1+ʻ 02+$- - *02"ʻ "*ʻ '0*"*ʻ 2+ʻ +8$#+ . 0ʻ +ʻ -#/+-$+ʻ -+'+** 202+(,"2+#0ʻ "ʻ ,#",# +$0# "ʻ *+# -2+ . - *02"ʻ 2+," *ʻ 20ʻ +8,#",# 0'0"ʻ "4ʻ 20 . - $ '0)0"

]ʻ 1 Lʻ ʻ /0#0-$ 20ʻ 0ʻ 2 3 20ʻ -0' "-01

Aʻ I Lʻ ʻ ##+3"/03+1ʻ 0ʻ 3+-20ʻ 2"*ʻ ;+-*ʻ -0' "-0+*ʻ +$0ʻ -0ʻ '"- "#. ʻ 202+ʻ 20*ʻ 1+ *

]ʻ 7 Lʻ ʻ ,+# . $1 2"ʻ 1"2"ʻ "ʻ /+-+#"ʻ 2+ʻ $#0;01:"('4114#0(-2"*$# 0ʻ +ʻ '" . . +#' "(*0130*ʻ 0*ʻ #+*$# ')"+*ʻ 20ʻ 1+ʻ ,"# 41 1 202+ʻ ,4;1 '0

]ʻ >ʻ 0#0-$+ *+ʻ 0"*ʻ -3+-$"#+*ʻ 0ʻ ,#",# +202+ʻ 2+ʻ *40*ʻ 2+*'";+#ʻ $0*(ʻ ʻ * ʻ ʻ ʻ 6 * ʻ* ʻ *ʻ ʻ ʻ ʻ , ʻ ʻ

ʻ 0/"#0ʻ #0+-' "-0#+#-"*ʻ "ʻ +*'# ,$"ʻ -"$03+1ʻ 2+ʻ 1+80-2#+ʻ +#'410-"("-2+ʻ +-'"-1#0 . "*ʻ "ʻ 0,"-$0 . +-$"ʻ #+10$ 3+ʻ 0"*ʻ 0-$ /"*ʻ 0,# 3 1+/ ,*ʻ 2+ʻ . ,#+**0" Sʻ -$ $ 1030 *+<

ʻ* * ʻ ʻ ʻ ʻ ʻ ʻ ʻ 4 ʻ ʻ ʻ ʻ ; ʻ 1ʻ " .ʻ 4 .ʻ ** ʻ ACVIʻ

0ʻ . 4 $"ʻ +8$+:*0ʻ '0#$0ʻ 0"ʻ 3 *'"-2+ʻ 2+ʻ 1 . + 20ʻ 0##+$$(2+'10#0ʻ 1+80-2#+ʻ +#'410-"ʻ 94+ʻF0 . 0 *ʻ 2+#0ʻ 0ʻ *40ʻ *0-'/0"ʻ 0ʻ 2"4$# -0ʻ 20ʻ * * ʻ 940ʻ ,"-* 2+#030ʻ . 0 *ʻ 94+ʻ 2 *,4$03+1(-+.ʻ 0,,#"ʻ 3030ʻ 0ʻ '"-3+-,0"ʻ '" .ʻ #0-,0(94+(01+.ʻ 2+ʻ '"-*0/#0# ", -"+*ʻ 94+ʻ #+,4$030ʻ ,#" . 20 . +-$+ʻ -+80'$0*(+#0ʻ ,#+F42 ' 01 ** #00ʻ ,"# 2 3+#*"*ʻ . "2+*ʻ 0"*ʻ -$+#+**+*ʻ 20ʻ -"**0ʻ $+##0

"ʻ *+4ʻ '"-'+ $"(-0S $+.ʻ #0G0"ʻ 2+ *+# 0ʻ ,#",# +202+ʻ 1 1$+#0# 0(-0"ʻ +8 *$+.ʻ +1+ . +-$"*ʻ ;0*$0-$+*ʻ ,0#0ʻ 0ʻ $"#-0#+.ʻ 4 . 0ʻ #+01 202''ʻ K 0ʻ + $4#0ʻ 2+ʻ 4.ʻ 1 3#"ʻ :0ʻ 2" *ʻ ,1 +-" . +-"*ʻ 2 *1 -'$"*E 4.ʻ . 0$+# 01("41#"ʻ . . 0$+# 01ʻ ?ʻ . 0$+# 01ʻ +ʻ "ʻ 103"# 3 * 3+1ʻ 94+ʻ +**0ʻ + $4#0ʻ '4*$"4 ʻ "ʻ 102"(,"#+ . (2+ʻ +* "#,"*ʻ /#"**+ #"*ʻ ;"43+ʻ "4$#"*ʻ . . 0$+# 0+*ʻ +ʻ - ʻ 0,#+' 03+ *ʻ ,+10ʻ '#03+ #0ʻ '" . . 4#0ʻ 0"ʻ "*ʻ 20ʻ '"/ $0,0"(20ʻ -*, #0/0"(

0 -ʻ 0 . ;"(4 .ʻ 0ʻ *+#ʻ -+/"' "ʻ 2"*ʻ *0'+#2"$+*ʻ 2"ʻ 01$0#("4$#"ʻ 0ʻ *+#ʻ -+ʻ ʻ/"' "ʻ 2"*ʻ *0'+#2"$+*ʻ 20ʻ . ,#+-*0ʻ +/"' 0#(,"#+ . ('" .ʻ #0 10/#+*ʻ "4ʻ '" .ʻ 2"4$# -0*ʻ +ʻ *+ . ,#+ʻ . 04 W

N; $0-2"ʻ *ʻ 0,#+' 0)"+*ʻ + $0*ʻ ,"#ʻ 1+80-2#+ʻ +#'410-"(2 #+ . "*ʻ 94+ʻ :+ʻ 0/#020ʻ 0 ", - 0"ʻ 2+ʻ " . #00*+"ʻ & ʻ : '-0ʻ ,0#$+ʻ + .ʻ 94+(2+*$#4 -2"ʻ ,+10ʻ ;0*+ʻ 0ʻ , ; 1"*", : 0ʻ F4# 2 '0ʻ 20ʻ ,#", # +202+ʻ 1 $$+#0# 0(2 G< K "#ʻ '+#$"ʻ 94+ʻ *+ʻ "ʻ ,0 G ,"2+**+ʻ #+'" . ,+-*0#ʻ '" .ʻ F4*$ '0ʻ "*ʻ +*ʻ '# ,$"*ʻ 2+ʻ . +# $"ʻ ,"#ʻ 3 0ʻ 2+ʻ . "2+#02"*ʻ +*$,+-2 "*(2+ 80-2"ʻ 1 3#+*ʻ ,0#]ʻ $"2"*ʻ 0*ʻ #+ . ,#+**"+*(*+#ʻ 0ʻ +*$0ʻ 0ʻ 0, ,1 '0/0"ʻ . 0 *ʻ -";#+ʻ 2"*ʻ $#ʻ ;4$"*ʻ 0*ʻ "-2+ʻ ;0ʻ 2 -;+ #"ʻ ,0#0ʻ **"Xʻ -2+ʻ *+ʻ 0';0# "ʻ "*ʻ F- G+*Xʻ 0#0ʻ 2 *'+#- #ʻ "*ʻ /#0-2+*ʻ +*'# ,$"#+*ʻ 2"*ʻ . +2 "'#+*ʻ *+#ʻ 0ʻ ,#+' *"ʻ 4 .ʻ "-/#+**"ʻ 2"*ʻ /#0-2+*(+ʻ 90+ʻ "**+ .ʻ 01+ .ʻ 25 **"(2+*0,0 8 -02"*E 4 .ʻ '"-/#+**"ʻ 2+ʻ 2+4*+* S

0*(*+ʻ -+ .ʻ +ʻ #+01 *03+1ʻ 0 #+'"#0,+-*0ʻ ,4;1 '0(-+ .ʻ 02 . $$+ʻ "ʻ 2 ʻ #+ $"ʻ 0;*"14 "ʻ +ʻ ‖"# / -0# "ʻ 2+ʻ ,#", # +202+ʻ 1 $$+#0# 0('# ʻ $"203 0ʻ *+#ʻ 4$ 1ʻ 03"#+'+#ʻ "ʻ $#0;01;"ʻ 1 $$+#0# "ʻ +ʻ *' +-$ '"(,# -' ,01ʻ +1+ . +-$"ʻ 2"ʻ ,#" ʻ /#+**"ʻ *"' 01ʻ ?ʻ 013 $#+ʻ 94+ʻ ,#", "+(6 94+ʻ "ʻ 1 3#"ʻ 2+3+ʻ 2+*'+#ʻ > '0$+ʻ /2# 0ʻ 2"*ʻ -3+-$"*("-2+ʻ -0"ʻ :0ʻ "ʻ 2 #+ $"ʻ 0;*"14$+(. 0*ʻ *"ʻ 0ʻ ,#", # +R 202+ʻ 1+/01(2+# 3020ʻ 2"ʻ ,# 3 1+/ "(20ʻ 1+ʻ 2+ʻ +8'+, /0"

$$+-2+-2"ʻ 0 94+ʻ -0ʻ ,+- -*410ʻ ; *, 0- 'ʻ 0ʻ ;0; $0 .ʻ 240*ʻ -0/"+*ʻ #ʻ . 0*ʻ 94+ʻ 0 10 .ʻ 240*ʻ 1 -/40*ʻ # . 0*(+ʻ 0 94+ʻ -0ʻ . +# 'ʻ 0ʻ "ʻ #0* 1ʻ +ʻ 0*ʻ #+, 4;1 '0*ʻ :+*, 0- :"10*ʻ +*10"ʻ -"ʻ . +* . "ʻ '0*+ʻ 94+ʻ 0ʻ ,+- -*410(-"ʻ 94+ʻ 2 Gʻ #+*, + $"ʻ 0ʻ 1 -/40*(0' 1 .+-$+ʻ +-$+-2 20*ʻ +-$#+ʻ * < -* -40(01 -01(94+ʻ 0"ʻ /"3+#-"ʻ '4 . ,#+ʻ +-$0;"10# -+/"' 0/"+*ʻ B*";#+ʻ 0*ʻ ;0*+*ʻ 94+ʻ 0, "-ʻ >0ʻ '" .ʻ 0ʻ +*, 0-;0('" .ʻ "ʻ #0* 1(+ʻ '" .ʻ 0*ʻ #+, 4;1 '0*ʻ 20ʻ 0-$ /0ʻ . +R # 'ʻ 0ʻ :+*, 0-:"10("4ʻ 0"ʻ . +-"*ʻ '" .ʻ 0*ʻ ,# -', 0+*ʻ 25+110*

?ʻ 94+ʻ 2+ 80 ."*ʻ 0, "-102"ʻ +ʻ ;0*$0-$+ʻ ,0#0ʻ +8' $0# "*ʻ 1+ $"#+*ʻ 0ʻ . +1:"# *+ʻ -$+ #0#+ .ʻ 2"*ʻ +*'# ,$"*ʻ 2+ʻ 94+ʻ 20 ."*ʻ 4 .0ʻ #+*4 . 20ʻ -"1ʻ ' 0ʻ " ."ʻ +ʻ 20ʻ -0$4#+G0ʻ 2"ʻ -"**"ʻ $#0;01;"(1 . $0 ." -"*ʻ 0ʻ -2 '0# "*ʻ +1+ . +-$"*ʻ 2+ʻ +*$42"ʻ 2+ʻ 0**4 . ,$"*ʻ +*, +' 0+*(94+ʻ -"*ʻ ";# /0# 0 .ʻ 0ʻ 2 /#+**"+*ʻ - -20*

$"203 0ʻ . 4 $"ʻ -"103+1ʻ 0ʻ -2 /-0)0"ʻ 94+ʻ 1+80-2#+ʻ +#'410-"ʻ 2+*0 "/"4ʻ -"ʻ 0#$ /" J * ʻ ʻ ʻ ʻ ʻ ʻ J -*+#$"ʻ -"ʻ JBʻ IAʻ 2+ʻ 0-+ #"ʻ 2+ZAC>7ʻ + +# 0ʻ 94+ʻ 01/4 .ʻ "4ʻ 01/4-*ʻ 1 3#+ #"*ʻ #0-'+G0*ʻ +*$0;+1+' 2"*ʻ -"ʻ #0* 1ʻ #+,#"24G 0 .ʻ $42"ʻ 940-$"ʻ 0ʻ . ,#+-*0ʻ 2+ʻ "#$4/01ʻ ,#"24G 0(;" .ʻ "4ʻ . 04(1 3#"("1:+$"(0#$ /"ʻ 2+ʻ F"#-01ʻ ,", 410#ʻ & ʻ ʻ ʻ ʻ ʻ ʻ 2 * ʻ * ʻ ʻ * ʻ -* ʻ ʻ ʻ ʻ , ʻ ʻ 2 ʻ ʻ - " +," *(0, ,+110-2"ʻ ,0#0ʻ "ʻ ;" .ʻ F4 G"ʻ 2"*ʻ ;#0* 1+ #"*(

2 G 0 1: +*< K ˢ 94+*$4"ˢ 20ˢ ,#" ,# +202+ˢ 1 $$+#0# 0ˢ 6ˢ : "F+ˢ 4 . 0ˢ /#03 ** . 0ˢ
94+*10"ˢ 20ˢ 3+11 0ˢ 4#" ,0< 0ˢ . . "#01 202+ˢ -1+#-0' "-01ˢ -5+*1+ˢ " ;F+'1"ˢ
'0, 101 ** . "ˢ 6ˢ 4 . ˢ 2"*ˢ '0-'#"*ˢ 94+ˢ 0ˢ 2+3"#0 . ˢ 0"ˢ '"-* $0 . ˢ "*ˢ ;#0 ˢ
* 1+ #"*ˢ 94+ˢ +*$+ˢ "4ˢ 094+11+ˢ +*1#0"/+ #"ˢ ,"**0ˢ --"'410#ˢ 1 3#+ . +-$+ˢ -54 . ˢ
,"3"ˢ 3 #/+#0ˢ 4$-ˢ 3 #4*ˢ 94+ˢ '"##"+ˢ 0*ˢ -"**0*ˢ *"' +202+*ˢ 2+'02+-$+* H
"ˢ +-10-1"('"-1+ . ˢ +**0ˢ '0#10ˢ 01/4 . 0*ˢ ,0**0/+-*ˢ 94+ˢ "#1+ . +-1+ˢ
'0,1 30$-ˢ 0ˢ 011+-'0"ˢ ** . (,"#ˢ +8+ . ,1"(0ˢ *+/4 -$+K
K 0*ˢ 1+1$#0*ˢ *4''+2+ˢ +80'$0 . +-1+ˢ "ˢ '"-$#0# "ˢ & ˢ ˢ 6 ˢ
ˢ ˢ ˢ B ˢ ˢ ˢ ˢ ˢ * ˢ ˢ * 'ˢ
4 , ,"-2+ˢ 94+ˢ '"/ $0'"+*(94+ˢ '"-1+-*0"ˢ 2+ˢ +*, # $"(94+ˢ '01'41"*(94+ˢ
#0' "' - "*(94+ˢ ";*+#30'"+*ˢ '4*$0#0#0ˢ 0ˢ +2#"ˢ 4-+*(0ˢ + ;- $G(0ˢ
+b$"-(05 '"(0ˢ #"$+#"(0ˢ h0-$ˢ "*ˢ 3#"*94+ˢ -"*ˢ 2+180#0#0ˢ) 40ˢ
'0, $01ˢ 2+ˢ +*142"(2+ˢ 2+0*0ˢ ˢ $"203 0ˢ ,#"$+/ 2"*ˢ ,+10ˢ F+ ˢ 20ˢ ,#", # +R
202+ˢ 1 $$+#0# 0(+**+*ˢ :"#0+-*ˢ *4 . . "*(+**+*ˢ :"#0+-*ˢ '4F"*ˢ -" . +*ˢ *0"ˢ
. . "#$0+*($+# 0 . ˢ '" . ˢ +110ˢ . "## 2"ˢ 2+ " . +E ,"#94+["*ˢ *+4*ˢ +*'# ,$"*ˢ
,4;1 '02"*("*ˢ . + "*ˢ 2+ˢ ";$+#ˢ 4 . 0ˢ #+-20(*+# 0 . ˢ 1+-$"*ˢ +ˢ -*4 ' +-ˢ
$+*ˢ " . ,0#0+ˢ 0/"#0ˢ '" . ˢ +11+*ˢ "*ˢ #"#00-' *$0*ˢ . "2+#-"*("*ˢ #1 -'"4#1*(ˢ
"*ˢ h"'a*("*ˢ 01G0'*("*ˢ 4+*("*ˢ 'a+-*ˢ *$+*ˢ :" . +-*('4F"*ˢ +*$42"*ˢ
*+ˢ #+24G+ . ˢ 0ˢ '"##+#ˢ "*ˢ $:+0$#"*("*ˢ ;0 1+*(0*ˢ $0;+#-0*("*ˢ 14,0-0#+*(0ˢ
0ˢ 3 0F0#ˢ '" . . "20 . +-$+ˢ 2+ˢ ' 202+ˢ ,0#0ˢ ' 202+(2+ˢ ,0 Gˢ ,0#0ˢ ,0 G(Xˢ
/"G0#ˢ "*ˢ 2+1+ $+*ˢ 94+ˢ '020ˢ 4#0ˢ 25+11+*ˢ :+*ˢ " +#+'+(0ˢ 02"#-0#ˢ "*ˢ 3 ' "*(0ˢ
0ˢ +80/+#0#ˢ 0*ˢ ,0 8"+*(0ˢ $#0F0#ˢ #+2 '410 . +-$+ˢ "*ˢ 0 +'$"*ˢ . 0 *ˢ ,4#"*(0ˢ
0ˢ '"##" . ,+#ˢ 0ˢ . "' 202+ˢ +ˢ 0*ˢ #041: +#+*< +*$+*ˢ :" . +-*(94+ˢ *6ˢ ;4*'0 . ˢ
,"24G #ˢ + + $"*ˢ 94+ˢ *4;F4/4+ . ˢ 0*ˢ . 41$ 2"+*E 94+ˢ +*,#+ $0 . ˢ 0*ˢ -'1 ˢ
-0'"+*ˢ 2"ˢ ,"3"ˢ ,0#0ˢ 0*ˢ 1 *"-/+0#+ . ("*ˢ *+4*ˢ /"*$"*ˢ 2+,#0302"*ˢ ,0#0ˢ
"*ˢ *0$ * 0G+#+#0E 0ˢ +*$+*ˢ ",+#0# "*ˢ 20ˢ 2 **"14/0"ˢ +ˢ -0"ˢ 20ˢ ' 3 1 *0'0"(0ˢ
0ˢ +*$+*ˢ * #0(0,#"3+ $0 . ˢ 0*ˢ 2"4$# -0*ˢ 20ˢ ,#", # +202+ˢ 1 $$+#0# 00ˢ 0#0ˢ
+11+*ˢ 0ˢ #+'" . ,+-*0ˢ 2"ˢ . +#'02"E ,0#0ˢ +11+*ˢ "*ˢ /#"**+*ˢ ,#"3+-$"*ˢ 2"ˢ -ˢ
24*$# 01 * . "ˢ 1 $$+#0# "(94+ˢ +ˢ "ˢ /#0-2+ˢ -' $0 . +-$"ˢ 2"*ˢ *+4*ˢ - +'4-ˢ
2"*ˢ $#0;01: "*ˢ ˢ 1 $$+#0$4#0 . +#'02"# 0E 0ˢ 1 $$+#0$4#0ˢ 0/ "$0/+ . ($+#-ˢ -0ˢ
3+#202+ˢ ,#"/#+2 2"ˢ +*,0-$"*+ . +-$+ˢ 2ˢ *" . ;#0ˢ 2+ˢ $ "ˢ 2+,1"#03+ *ˢ 2"4R
$# -0* Q
+1"94+-$+ˢ +*$0ˢ ,0/ -0E . 0*ˢ ,+#2"+ @ "*ˢ 0ˢ . + . "# 0ˢ 2"ˢ /#0-2+ˢ +*ˢ
'# ,$"#(:0ˢ +80//+#0/0"(+ˢ . 4 $0(-"ˢ 94+ˢ 2 Gˢ 4/+- "ˢ 4+(01G0'ˢ +ˢ
'a+-*ˢ -0"ˢ $ -:0 . ˢ *" . +-$+ˢ "*ˢ +*$42"*ˢ # 3"1"*ˢ 94+ˢ +#'410-"ˢ :+*ˢ 0$ˢ
;4+E "ˢ $01+-$"ˢ 25+11+*ˢ +#0ˢ 0F4202"ˢ ,+10ˢ +#42 /0"ˢ +ˢ ,"#ˢ 4 . 0ˢ 30*$0ˢ 1+ ˢ
$4#0ˢ +ˢ 0'94 * /0"ˢ 2+ˢ 30# 02"*ˢ '"-:+' . +-$"*ˢ "#ˢ "4$#"ˢ 102"(-+ . ˢ 1" ˢ
20*ˢ 0*ˢ *40*ˢ ,#"24+/2+*ˢ ,"2+ . ˢ *+#ˢ '0#0'$+# *020*ˢ '" . ˢ 0ˢ *+3+# 202+ˢ 0,0 ˢ
8"-020ˢ 2"ˢ F41/0 . +-$"ˢ 94+ˢ 0'0;0 . "*ˢ 2+ˢ "43 #
0**0-2"ˢ 0ˢ "4$#0ˢ "#2+#0ˢ 2"ˢ 2+0*(,+#/4-$0 *+ˢ 940+*ˢ . + "*ˢ :03+#2

2+' 0G+# ,#"/#+2 # #+01 . +-$+' 0 '41$4#0 2"' +*, # 1"' :4 . 0-"X "' 94+' #'* ' ,"-2+' 1+80-2#+' +#'410-"E

K #00 1+ ' 2+' #+'" . ,+-*0* -0' "-0+* *+# 0 0 3+#202' #0 1+ ' ,#"1+ ' '$"#0 2"* #0;011 "* 20 -$'11 /+-' 0 ' "* ,0 G+* "-2+' +8 *1+' 0 F # *,#4 ' 2+-' 0 0/"#0 -$#"24G 20 + . ' "#$4/01 +8 *1+ . ' 0"' 102"' 2+110 -20'"+* ,"2+#"* ** . 0*(94+' *0"' 0* 94+' *4*' 10 . ' "* 1 3#"* #+01 . +-$+' 41+ * ' . ' #0-/0 "' ,#+ . "' "-$:N"-' +' "4$#"* 0-01"/"*(0* ,+-*"+* 0'02+ . '0*(0* + . ,#+*0* 1 +#0# 0* "4' *' +-1 '0* 2"' /"3+#-"("' ,#" +**"#02"("' ,#"3 . +-$"' 2+' '+#1"* '0#/"* 2+*1 -02"*(-3+-102"* $013+G(4- '0 . +-1+' ,0#0 20# ,0"' 0"* 1 " . +-* 2+' 1+11#0*(' . ' * 2"' "* -' 10 . +-1"* . 0 * + ' 1 'OG+* ,0#0 *+' +*'#+3+#+ . ' 0* ";#0* /#03+* +' ' 3 1 *02"#0* Z

' & . ' 4 . ' -"$03+1' 0#$ /"' , -;1 '02"' + . ' AC?6' '" . ' +*10 -*'# , /0"< # * * ' : ' + ' +-/+-1 "*0 . +-1+' "' 0#1 '41 *10 , "# #0-*'#+3+# $#+* ,+-*0#0+-$"* + . ' 2# . 0 2+' +,F/#0,1 +*(94+' 2+ - 0 . ' + . ' +' '0#0'1+# *030#0 2 *1 -'10 . +-$+' 0* :+"# 0* 2 1 +#+-1+* 94+' *";#+' ' 0**4 . ,$"' :0"' * 2"' +*$0;+1+' 20*

** #0("4 * 10-' R9 ' * 2 **+<

K "-' *+41+ . +-$ 1 +*$ 0;*4#2+' 2+' 2+'10#+# 1+'# 30 -' ,#", # +10 #+' 2+' *"-' '+,3#+(. 0 * 1 +*$ 0;*4#2+' 2+' 14' ,#", "*+# '"#0 -+' #+' " . ,+-*+' 4-+' #+$# ;4$ "-' . 0$+# +11+ S

4$#"' +*'# ,$"# 94+' ' :+/"4' 0 +*10# 0 #+-$+' 2"* 2+*$ -"* 20 #0-/0(2 **+<

K +' '#" * ' " . #0+' 3"4* 94+' 5"+43#+' -$+11+'$4+11+' +*$ 4-+' ,#", # +$+' '"## . +' 4-+' $+##+(4-+' . 0 *"-(945+11+' 2" $ F"4 # 2+* . + . +* 2#" $*K+$ -+' ,"43" # +$#+' 01 +-++' 94+' ,"4# '04*+' 254$ 1 1+' ,4;1 94+ Z & " * < ' 3 * ' 8- ' 6 ' B ' ' 5' ' ' ' 5 U' ' (6 ' ' 3 - '

(-01 . +-$+<

0 +," * 20 . "#$+' 2"' 04'1"#('"-*+#30#0"' *+4* :+#2+ #"*('+*** " ' -0# "* "4' #+,#+*+-$0-$+*(0 2 $0 ,#", # +202+' ,"# +*,0/"' 2+' 1 -$0 0- ' # "*' & ' BBF [' ' : ' ' ' ' ' ' ' '

-$+#,#+$0-2"' +*$+* +-4-' 02"*($ #0 "' 0#$ '41 *10 0 '"-'14*0"' 2+' 94+' *+/4+ . ' 4-* 0 ", - 0"' 2+' 94+' 0 ,#", # +202+' -$+11+'$401 +' 0 . 0 * *0/#020 20* ,#", # +202+*E "4$#"*(2+' 94+' +' 4 . 0 ,#", # +202+' ' 26 ' 94+' 2+3+' *+# #+*$# '$0' +#0 #+10/0"' 0"' $+ . ,"' 20 *40 24#0/0"E +' "4$#"*(2+' 94+' +' 0,+-0* 4 . ' , 3 1+/ "('"-'+2 2"' ,+10 1+ (,0#0 0- . 0# "*' #0;011 "* -1+11+'$40+*

0* ' 0#1 '41 *10 0 1 # . 0 +8,#+**0#0+-$+' "' *+-' . "2"' 2+' *+-1 #(

9 0-2 2 GE K +/0#(," *(0 ,#",# +202+ -$+11+'$401 + '" . #0+$$+# 4 . 0-0':#"- * . " . ,'#2"03+1(6 '0 # -" +##" 2"* 0-1 /"* +'"-" . *10*(94" '"-* 2+#030 . * *+ . * 301"# "* *+#3 /"* . . 01+# 0+* H

. * $"2" * '0*"("* ,# -' , "* 94+ :"F+ +*$0" '"-*0/#02"* '" . " 1+ 2+ "#$4/01 *0" "* *+/4 -$+*<

?* 04'$"# ,"#$4/4+G 2+ 4 . * +*'# ,$" ,4;1 '02" ,+10 . ,#+-*0(1 $1 " * /#0,: 0("4 ,"# "41#" 940194+# . "2" *+ . +11 0-1+ + . * 1+## $"# " ,"#$4R /4+G(/"*0 24#0-$+ 0 *40 3 20 20 ,#",# +202+(+ 2" 2 #' 1" +8'14* 3" 2+ #+,#"24G # + -+/"' 0# 0 *40 ";#0

"* 2 #+ 1"* 2+ 04'$"# '" . ,#+:+-2+ *+ $0 . ;+ . * " 2 #+ $" 2+ #0 * 24'/0" * +,"$* 20 #0"#$+ 2+ 940194+# 04'$"# '"-*+#30 . * "* *+4* :+# * 2+ #"*('+** "-0# +*("4 #+,#+*+-$0-$+* " 2 #+ $" 2+ ,#",# +202+ ,"# +*,0/" 2+ ' -'"+-$0 0--"*

?* 2'1+# . -02" '" . * #+10/0" 0"* 04'$"#+* + 0,, '03' * 0"* +"4"#+* ,0#0 94+#- 094+11+* :"43+#+ . * $#0-* +# 2" 0 ,#",# +202+ 20* *40* ";#0*(+ . * ;0# . "- 0 '" . * "* #2 ,+'1 3"* '"-1#0'$"*

6 * +*102" ,"2+ +8,#",# 0# 4 . * +*'# ,$"(,#+'+2+-2" 1+ 94+ 04 * '1"# *+ 0 +8,#",# 0/0"(2+ . - *0-2" ,#+3 0 . +-1+ " 04'$"#(+ '"- "# * . 0-2" *" + . * $42" " . 0 * '" . * "* ,# -' , "* /+#0+* 20 +8,#",# 0/0" ,"# 4$ 1 202+ ,4;1 '0

* ,#",# +202+ 1 $$+#0# 0 6 '"-* 2+#020 + #+/ 20 '" . " 940194+# "4 * $#0 ,#",# +202+ . "3+1('" . * 0* . "2 '0/"+* 94+(,+10 *40 -0$4#+G0 +*R ,+' 01(0 1+ +8,#+**0 . +-$" :+ . ,"+

* ,#",# +202+ 1 $$+#0# 0 6 . ,#+*'# ,$ 3+1

0" + #+'"-:+' 20 0 ,#",# +202+ 2"* +*'# ,$"* ,#": ; 2"*| "# 1+ (* 94+ ,",*+-1+-/0 "#+ . * . 0-202"* #+$ #0# 20 ' #'410/0"

"3 ,"-$0 . "* . 4 1" ,"# . 0 "# "* ,# -' , "* #+101 3"* 7,#",# +R 202+ 1 $$+#0# 0(+ 0,+-0* 2 #+ . "* 94+ 0 +*$0 6 +94 ,0#020 0 ,#",# +202+ 0#$ *$ '0(,"# 940-$" " "2 /" 3 1 . 4 $" 2+$+# . -020 . +-1+ #+/410 +* 10* +*,+' 01 202+*(;+ . * '" . " 0 #+*,"-*0; 1 202+ 2"* '"-$#0 0'$"#+* "4 4*4#,02"#+* 20 ,#",# +202+ 1 $$+#0# 0 (+ 0#$ *$ '0

+F0 * "2 /" 3 1 "#$4/4+G -"* 0#1 /"* DV? U 0 6>? S(+ 0* 0- * -"$0/;+* #+*,+'$ 30* + $0* ,+1" *# * "*+ 17 0* +##+ #0

- '0 . +-$+ ,0#0 20# "''0* 0" 0 94+ "* 1+ $"#+* ,"**0 . * +-'0#0# " 0**4 . ,$" + . * 1"2"* "* 2 3+#*"* 0*,+'$"*(10-/0 . "* 094 * " '"-'+ $" 2+ 4 . * :" . + . * 2+ /#0-2+ 101+-$" + 2+ 02 . #03+1 ;" . * F4 G"(* "#'02+ K #+ . "* 94+ *+ +80//+#0 . * :"F+ BAC6D * "* 2 #+ $"* + "* 0,,+$ $+* 20 ,#",# +202+ 1 $$+#0# 0 + . 4* '01 #0 . 0$+# 0 2+ 1 1$+#014#0 + 2+ 0#$+(

-0 #+'+0# 0 . "* *+# 4$- $0-$ ' " . . 4- *$0*E ,0#+'+-2" -"* 94+ 0 +**+ ' " . #04- * . " 2+3+4 0 4#",0(+#0 /#0-2+ ,0#$+(0 '41$N#0 1 +#0# 0 94+ :0 . 4 $"* *+'41"* 0 $+#- +1+302" + ;" . /#02" ,+# . +$$ # 0#0"* 0"* +*'# ,$"#+* + 0"* 0#$ *$0*(0 +**+* 94+ 0 -0$4#+G0 +-# 94+'+4(" 148"(4 . $0-$" 03+-$4#+ #" +30/0;4-2" & * 5 ' 94+ ,#"2 /01 *0 10#/0 . +-$+ 0* ";#0* 2+ . 0/ -0' 0" +2+ +*, # $" 0" *+ ,62+ $+# ' " . " '+#$" 94+ $"2"* "* #+/410 . +-$"* 20 ,#",# +202+ 1 1$+#0# 0 :0F0 . 2+ 0,#"3+ $0# 0"* 04'$"#+*E 0-$+* 6 ;+ . 2+ $+ . +# 94+(*+#0 /#0-2+ ;+-+ ' ",0#0 "* +*'# ,$"#+* + 0#$ *$0*(+ ' " . ,#+F4 G" 2" ,4;1 '"(30" 0 3"#+'+# -+/"' 0-$+* 94+ +8,1"#0 . 0* *-0* ";#0* S Z

#01030 *+ 2+ 4 . 0 1+ 94+ 04'$"# *030 0 #+,#"24')0" 2+ #+':"* 1N# '"* -0* '0 80* 2+ #04* '0(#+01+F"* + , 0-"* . +'0- '"*E #+*+#30-2" ,0#0 +**+* -*$#4#0+-$"* " ,# 3 1+/ " 2+ 341/0# *0# 0* '" . ,"* /"+* #04 * '0+*(*+ . ,0/0#+#-" "* 2 #+ $"* 2+ 04'1"# +*$+ ,#", "* $" 2 G 0 $0 . ;+ . "'0#2+< K 0" -"* '04*0# 0 +*,0-$" 9 + 4 . 3+#202+ #" /+- "(' " . " "** - ($ 3+**+ 0 /+-+#"* 202+ + 0 -";#+ 01$ 3+G 2+ 20# '0#$0 ;#0-'0(-" $"'0-$+ * ' " . ,"*);+*(0"* 0;# '0 1$+* 2+ '0 80* 2+ . 4* '0(/#0-2+* + ,+94+-0* S

" 0--" . .+2 0$" 294+11+ 94+ 2+ 80#0"* 0,"-$02" ' " . #+ +#+-R 20 0 "#'02+(" 0 -$+ +43+ -" . +02" #+10$"# B,+#0-$+ " 20 1+ 94+ " '"#," 1+/ *10$ 3" 1 : :0 3"102" *";#+ 0 * * 2

0 *+**0" -+ 6 2+ F41:" 2+ AC66 1+4 0 -$+ +43+ " *+4 #+10$"# "E + + +**+ " 2"'4 . +-$" 94+ ,#+$+-2+#0"* " +#+'+#(+#0 #+*4 . 2" $#0- *4 . ,$"(0"* -"**"* 1+ $"#+*(+ . #0GO" 2+ *+# ,"# +8$#+ . " '4# "*0 '" *0 3+# ' " . " 114*$#+ :"$,+ . 2+ 1+$$#0* + - ** #0" '# 1 '" +-'0#030 0 . ,"#$0-$+ +*,+' + 94+ "#0 -"* "''4,0

? #+10$"#(2+," * 2+ 0G+# *+-$ # 0 2+*-+'+** 202+ 2+ +-$#0# + . -"30 2 *'4**0" /+#01(+ *4 , ,"-2" + $0 0 1+ + . :0# . "- 0 '" . "* ,#^- ' , "* 2" '"2 /" ' 3 1(01 0* ", ,#"3020 '" . 4-0- . 202+ 2+ 3"$"* -" '"#," 1+/ *10$ 3+(1 . $"4 *+ 0 0,#+' 0# 4 . "4 2" * ,"-$"* +*,+' 0+*

0#+ . "* '"-$0 25+**0 0, ,#+' 0/0"(#+*4 . -2" " . 0 * 94+ -"* 6 ,"** 3+1 $+8$"

Y 1 $$+#0$4#0(*$" +($"20 0 '41$4#0 20* '" *0* 2" +*, # $"(. 0- +*$0-2" *+ ,+10 . ,#+**0"("4 ,+10 #+,#+*+-$0/0" 2#0 . 0$ '0($#0G '" . * /" 2+1+ $+(+ 0" . +* . " $+ . ," '"-*$ $4+ 4 . 0 # 94+G0(0 -20 -" *+- $ 2" +'"-" . '" +*2+ 94+ -0 *"' +202+ + '#+020 0 # 94+G0('4 . ,#+ 94+ +*$0 94+ + . , "2+# 20 ,+**"0 0 94+- ,+#$+-'+('4 . ,#+ 94+ *+F0 ,"**4 20 ,"# 94+#- 1 3+# . +1:"# 2 #+ $"E + 2094 3+ . 0 -+'+** 202+ 2+

#+/410#ˢ 0ˢ *40ˢ 2 *$# ;4 '0"ˢ ˢ +*$+ˢ "ˢ ,# "' , "ˢ , : 1"*", : '"ˢ 20ˢ 1+ ˢ 20ˢ ,#" ˢ
,# +202+ˢ 1 $+#0# 0

' +#202+ #0 . +-$+ˢ $"'0"$+ˢ +#0ˢ 4 . 0ˢ 2 *,"* /0"ˢ 20ˢ 1+ˢ 0** . ˢ '"-'+ ˢ
; 20< K 4#0-$+ˢ "ˢ ,+# "2"ˢ 2+ˢ ' -'"+-10ˢ 0--"*ˢ "ˢ '"-F4/+ˢ *";#+3 3"(*+F0ˢ
9401ˢ "#ˢ "ˢ #+/ . +-ˢ . 0$# . "- 01(+ˢ -2+,+-2+-1+ . +-1+ˢ 2"*ˢ 2 #+ 1"*ˢ 94+ˢ
,"2+ . ˢ #+*4110#(0ˢ 03"#ˢ 25+**+ˢ '"-F4/+(2"ˢ #+/ . +-ˢ 20ˢ '" . . 4- '0' "(
$+#-ˢ ˢ /"*"ˢ 2"*ˢ 2 #+ 1"*ˢ 2+ˢ 94+ˢ "ˢ 04'$"#ˢ 011+' 2"ˢ 0-1+*ˢ -0"ˢ 2 *,"Gˢ ,"#ˢ
0'$"ˢ +-1#+ˢ 3 3"*ˢ "4ˢ ,"#ˢ $+*10 . +-$" H

?ˢ #+10$"#ˢ ";*+#3"4ˢ 94+ˢ +*$0ˢ ,#+"''4,0'0"ˢ -*, #0#0ˢ 0,"1+0"ˢ ˢ
940-2"ˢ ,+1"ˢ 2+'#+$"ˢ 2+ˢ Dˢ 2+ˢ +3+#+ #"ˢ 2+ˢ ACA?ˢ 2 *,4-:0ˢ 94+ˢ 0*ˢ 3 430*(
0 -20ˢ 94+ˢ 0*ˢ '"-3+-)"+*ˢ . 01# . "- 0+*ˢ :+*ˢ -0"ˢ 2+**+ . ˢ 2 #+ 1"(/"*0* ˢ
+ . ˢ 20ˢ ,#,,# +202+ˢ 94+ˢ 0"ˢ 04'1"#ˢ +$ 3+**+ˢ 0**+/4#020ˢ ?ˢ 2+'#+$"ˢ +* ˢ
$+-2 0ˢ 0ˢ 3 -$+ˢ 0--"*ˢ "ˢ 2 #+ $"ˢ 2"*ˢ 1:"*ˢ 2"*ˢ 04'$"#+*(2 #+ 1"ˢ 94+ˢ 01 0*ˢ
*+ˢ 1 . $030ˢ 0ˢ A?ˢ 0--"*ˢ ,+10ˢ 1+ˢ 2+ˢ AWˢ 2+ˢ F41;"ˢ 2+ˢ AVW7

. ˢ 1"2"*ˢ "*ˢ '0*"*ˢ 6ˢ :"F+ˢ 02 . $$ 20ˢ 0ˢ 3 430ˢ 0"ˢ /"*"ˢ 25+**+*ˢ 2 #+ ˢ
$"*ˢ ,"#ˢ +*,0'"(-020ˢ . +-"*(2+ˢ . + "ˢ *+'41"

0ˢ #","1"-/(-"ˢ '" . . +-$0# "ˢ 0"ˢ $ $41"ˢ 2"ˢ : ˢ ˢ ˢ
$ -:0ˢ 2 $"< ˢ ";#0ˢ 2"ˢ ,+-*0 . +-$"ˢ 6ˢ ,"#ˢ '+#$"ˢ 0ˢ . 0 *ˢ ,+**"01ˢ 2+ˢ $"20*Eˢ
. 0*(+. ˢ 940-$"ˢ "ˢ . 0# 2"ˢ *+ˢ "''4,030ˢ 20*ˢ *40*ˢ '" . ,"*)"+*(2+2 '0 ˢ
30Z*+ˢ 0ˢ . 41;+#ˢ 0"ˢ *+#3)"ˢ 2" . +*$ '"(ˢ +24'0/0"ˢ 2"*ˢ 1;"*< '020ˢ 4#-ˢ
2"*ˢ '"-F4/+*ˢ $" . 030ˢ ,0#$+ˢ -"*ˢ -$+#+**+*ˢ '" . . 4-*

"-"*"ˢ +*,+'$0'41"ˢ +ˢ "ˢ 3+#ˢ -0ˢ * . ,1+*ˢ +ˢ . "2+*$0ˢ -$ #0 202+ˢ 20ˢ
0 . 1 0ˢ +**+ˢ $#0;01:"ˢ -$+11+'$401ˢ 2"ˢ :" . + . (#+*,+ $02"ˢ +ˢ '" . ,#+:+- ˢ
2 2"ˢ ,+10ˢ +*,"*0(94+ˢ 016ˢ 0*ˢ 3+G+*(. +-+0-2"ˢ 0ˢ 0/41:0(0** *$+ˢ 0"ˢ 10R
;"#ˢ 2"ˢ . 0# 2" ˢ +# 0(," *(4*1"ˢ ,# 30#ˢ 2+ˢ 4 . ˢ 2 #+ $"ˢ 4$ 1ˢ +ˢ +*$. 02"ˢ
0ˢ . 41;+#ˢ 94+ˢ 0** *$ 4ˢ ˢ '" . ,"* /0"ˢ 20ˢ ";#0(94+ˢ 0ˢ +*'4$"4ˢ '" . ˢ 0$$+- ˢ
/0"(0'0*"ˢ ,#+*$"4ˢ 0ˢ *40ˢ ,+--0(+ˢ "ˢ 0ˢ '"-)2+-$+(0ˢ 048 1 0#ˢ +ˢ ,"#ˢ 01/4-*ˢ
-*10-$+*ˢ "ˢ *+'#+$0# "ˢ 2+ˢ 4 . ˢ . 0# 2"ˢ 2 *1 -'$"ˢ +ˢ 114*$#+Xˢ +# 0ˢ ,"#3+- ˢ
$4#0ˢ 1"1+#03+1ˢ 94+ˢ 3 +**+ˢ 4 . ˢ +*$#0-:"ˢ 0,"2+#0# *+ˢ 25+**+ˢ 2 #+ $"ˢ 2+-$#"ˢ
2+ˢ 4 . ˢ 2+$+# . -02"ˢ 10,*"ˢ 2+ˢ $+ . ,"X

0*ˢ /4#+ . "*ˢ 0ˢ :N,"$1 +*+ˢ 2+ˢ *+#ˢ 0ˢ . 41;+#ˢ "ˢ 04'$"#ˢ -20ˢ 1 5+**+ˢ
'0*"ˢ 6ˢ #+*,+ $03+1ˢ "ˢ :" . + . (*+ˢ -0ˢ *40ˢ ,#")**0"ˢ +ˢ 2 *$ -'$"ˢ "4ˢ 10;"# "*"ˢ
"-#0 *+ˢ 2+ˢ 94+ˢ *40ˢ . 41;+#ˢ ,"**40ˢ 01/4 . ˢ $01+-$"(01/4 . ˢ 2" . ˢ 94+ˢ 0ˢ
$" . +ˢ -"$03+1(*+#0ˢ 0ˢ . +9"#ˢ 94+;#0(0;0*Mˢ 2+ˢ 0 . 0; 1 202+ˢ K ˢ ,#",# "ˢ
20ˢ *"' +202+ˢ . ,2+#-0ˢ '" . ,#+:+-2+#ˢ +ˢ . 0-$+ (940-$"ˢ '0;+ˢ -"ˢ ,"** 3+1(
" *+# "ˢ +ˢ 0ˢ +/401202+ˢ + . ˢ $"20*ˢ '" *0*ˢ :"-#"*0*ˢ +ˢ ;"0* H

-20ˢ 0ˢ 1+ˢ 2+ˢ ;"F+ˢ 20ˢ 0"ˢ . 0# 2"ˢ 0ˢ 0'41202+ˢ 2+ˢ 2 *,"#ˢ 94+ˢ 0ˢ +*R
,"*0ˢ *+F0ˢ ,# 3020ˢ 20ˢ *";#+3 3+-' 0ˢ 2+ˢ 2 #+ 1"*(*+ˢ +11+ˢ 94 G+#ˢ 2+ 80#ˢ + . ˢ
. 0"*ˢ . 0 *ˢ # . +*ˢ 2"ˢ 94+Z0*ˢ 2+ˢ 4 . 0ˢ . 41;+#ˢ "ˢ '4 202"ˢ 2+ˢ #+,#"24G #ˢ
ˢ *+4ˢ ,+-*0 . +-$"ˢ +ˢ 2+ˢ +8+#' $0#ˢ +**+*ˢ . +* . "*ˢ 2 #+ 1"*

ʷˢ '0*ʷˢ 2+ˢ *+,0#0'0"ʲ 94+ˢ -0ʷˢ ,"2 1ˢ +81 -/4 # *+ˢ ,+10ʲ #+'"-' 1 0X7"ʲ ,#+*4#0+ *+ˢ 94+ˢ ʷˢ . 0# 2ʷˢ 94 Gˢ ,# 30#ʲ 0ʲ . 41:+#ʲ 20ʲ *";#+3 3+-' 0ʲ 2+ˢ 2 ˢ #+ $"*ʲ ,"#ʲ 94+ˢ FOʲ +-10ʷˢ -0ʷˢ +ˢ 0ʲ 3 430ʲ -$+#+**0-$+ʲ 0ʲ '" . ,0-:+ #0ʲ -ˢ $. 0

?ˢ . +* . ʷˢ *+ˢ 3+# 'Oʲ 0ʲ ‖+*,+ $"ʷˢ 20ʲ . 41:+#ʲ 94+ˢ ,0**0ʲ 0ʲ *+/4-20*ˢ -4,' 0*Eˢ ," *ˢ 94+ˢ +-$0ʷˢ K,#"3"4ˢ +110ʲ -0ʷˢ 2+2 '0#ʲ F2ˢ 0ʲ . + . "#ʲ 0ʲ 2ʷˢ +*ˢ ,"*ʷˢ ˢ '411ʷˢ +8'14* 3"ʲ 4-20 . +-$ʷˢ 2ʷˢ ,"2+#ʲ 94+ˢ *+ˢ :+ˢ 0$$# ;4+ʲ 2ʷˢ 03"#ʲ #+#04-+#0$"# ʷˢ 2+ˢ 94+ˢ 6 9\XF+'$" H

ʷˢ 0ʲ . 41:+# $ -:0ʲ "41#5"#0ʲ ʷˢ 2 #+ $ʷˢ ,#"3+- +-$+ˢ 2ʷˢ . 0# 2ʷˢ 04'$"#Eˢ . 0*ˢ 0ʲ 1+ˢ . "2+#-0ʲ 20ʲ 0ʷˢ . 0# 2ʷˢ ʷˢ 2 #+ $ʷˢ ,#"3+- +-$+ˢ 20ʲ . 41:+#ʲ 04Zˢ $"#Z

0ʷˢ # "*ˢ *+-2ʷˢ ,+# . 1$ 2ʷˢ +-1#0#ʲ + . ˢ 2 *'4**"+*ʲ ,+10ʲ -0$4#+G0ʲ 2ʷˢ -"**ʷˢ $#0;01:"ʲ #+'"##+#0"*ˢ 0ʷˢ +8,+2 +-$*ˢ 2+ˢ 0,#+*+-$0#ʲ "*ˢ +1+ . +-$"*ˢ 2 3+#*"*ˢ 2+ˢ +*$42ʷˢ 94+ˢ ,"**0 . ˢ :0;1 \0#ʲ "*ˢ 1+ $"#+*ˢ ,0#0ʲ "# . 0#+ . ˢ ʷˢ *+4ˢ F4 G"

?ˢ '"-/#+**ʷˢ 2+ˢ #48+110*ʲ '+1+;#02ʷˢ + . ˢ IVˢ 2ʷˢ *+$+ . ;#ʷˢ 2+ˢ ACDCʲ 02",$"4ˢ 0ʲ *+/4 -$+ˢ '"-'14*0"<

K +ˢ '"-/#+*ˢ +*$. +ˢ 94+ˢ 1+ˢ ,# -' ,+ˢ 2+ˢ 10ʲ #+'"--0 **0-'+ˢ -$+#-0ˢ $"-01+ˢ 2+ˢ 10ʲ ,#",# +$Nˢ 2+*ˢ "+43#+*ˢ 1 $$+#0 #+*ˢ +1ʲ 0#$ *1 94+*ʲ +-ˢ 03"4#ˢ 2+ˢ 1+4#*ˢ 04$+4#*ʲ 2" $ˢ ,#+-2#+ˢ ,10'+ˢ 20-*ˢ 10ʲ 1+/ *10$ "-ˢ 2+ˢ $"-*ˢ 1+*ˢ ,+4Pˢ , +*ˢ ' 3 1 *+* H

ˢ ,#",# +202+ˢ 1 1$+#0#ʲ 0ʲ B2 Gˢ 011"G(ʲ -"ʷˢ *+4ˢ 04'$"# *02"ʷˢ %B* 2ˢ P ʷˢ +ˢ 2+ˢ '+#1"ʷˢ 0ʲ . 0 *ˢ +3 2+-$+ˢ 2+ˢ $"20*ˢ 0*ˢ ,#",# +202+*ˢ +-:4 . 0ʲ ++$ ˢ . 0 *ˢ 2 *$ -'$0 . +-$+ˢ . 0#'020ʲ '" . ˢ "ʷˢ *+11ʷˢ 20ʲ ,+#*"-01 202+ˢ 2ʷˢ *+4ˢ 04'$"#ˢ + *+ˢ 4#00ʲ -0##0/0"ʷˢ + . ˢ ,#"*0ʲ 2+ˢ 4 . 0ʲ 4- 'Oʲ ,0/ -0ʲ *",;#+ˢ 4 . ˢ 0**4 . ,$ʷˢ '"-:+' 2"ʲ 0ʲ 4#-ˢ . 1:0ʷˢ 2+ˢ ,+**"0*ʲ +ˢ -0ʷˢ *+ˢ +-'"-$#0#0ʷˢ 240*ˢ 94+ˢ 0ʲ #024G0#0ʲ + . ˢ $+##0"*ˢ 2+-$ '"*ˢ *ˢ 2 1 +#+-'0*ˢ *+#0ʷˢ 0 -20ʲ . 0 "ˢ #+*ʲ *+ˢ +**0*ˢ ,+**"0*ˢ "#+ . ˢ ':0#0020*ˢ ,0#0ʲ "ʷˢ '0 . ,ʷˢ 20ʲ -3+-'0"ʲ 20*ˢ 2+0*ˢ +*,+'410$ 30*ʲ +ʲ *";#+142"ʲ 20ʲ ,"+* 0ˢ +/0#ʲ 0ʲ ,#",# +202+ˢ 1 $ˢ $+#0#ʲ 0ʲ +ˢ -+/0#ʲ "ʷˢ . "3 . +-$"ʲ ʷˢ ,+-*0 . +-$"ʲ 0ʲ 14G

?ˢ . +* . ʷˢ 011"G(ʲ + . ˢ "4$#"ʷˢ 0*,+'$"ʷˢ 20ʲ 94+*$0"ʲ 2 G< K ˢ ,#",# +R 202+ˢ 1 $$+#0#ʲ 0ʲ ,"2+ʲ '" . ʷˢ BF40194+# "4$#0ʲ *+# 0$$# ;4 20ʲ 0"*ˢ 04'$"#+*ˢ +ˢ 0ʲ *+4*ˢ :+#2+ #"*ˢ "4ˢ '+** "-0# +*ˢ 2+ˢ 4 . ˢ . "2ʷˢ ,+#,+$4"ʲ 023+#$ -2ʷˢ *" . +-$+ˢ 94+ˢ -ʷˢ '0*ʷˢ 2+ʲ + . ˢ '+#$ʷˢ -4 . +#ʷˢ 2+ˢ 0--"*ˢ 1802"*ˢ ,+10ʲ 1+ʲ + +*ˢ -0ʷˢ 4*0#+ . ˢ 2ˢ+**+ˢ 2 #+ $"ʲ *+#2ˢ ,+# . 1$ 2ʷˢ ʷˢ 0,"2+#0# *+ˢ 2ˢ+11+ʲ +

0G+1 ⁿˢ +-$#0#ˢ -ⁿˢ 2" . - ⁿˢ ,4;1 '"("4ˢ 0ⁿˢ +*102ⁿˢ "4ˢ 0ˢ 1+#'+ #"*(*'ˢ ⁿˢ +*102ⁿˢ F41/0**ⁿˢ 94+ˢ -0ⁿˢ 2+3 0ˢ -$+#3 #Eˢ 0G+#ˢ ,#"-4-' 0#ˢ 0ˢ +8,#",# 0'0ⁿˢ ,4;1 '0('042ⁿˢ ⁿˢ +*$02ⁿˢ "4ˢ "*ˢ ,0#1 '410#+*ˢ +-'0##+/02"*ˢ 2+ˢ ,0/0-ˢ 4 . 0ˢ *" . #00ˢ 0"*ˢ ,#",# +$0# "*(*+ˢ +*$ 3+#+ . ˢ ,#+*+-$+*("4ˢ 7'0 80ˢ 2"*ˢ 2+ , " ˢ * 1"*ˢ +ˢ '" * /-0'"+*(*+ˢ - -/4+ . ˢ "*ˢ #+,#+*+$ 10("4ˢ ,"2+#ˢ #+,#+*+-$0#ˢ . . (,+-*0 . "*ˢ 94+ˢ *+ˢ ,"2+ . ˢ . ,"#ˢ 0ˢ ,#",# +202+ˢ 1 1$+#0# 0ˢ 0*ˢ . +* ˢ 140*ˢ '"-2 /"+*ˢ 94+ˢ 0ˢ 940194+#ˢ "4$#0(+ˢ 94+ˢ -020ˢ ";*10# 0(,+#ˢ +8+ . ,1"(0ˢ 94+ˢ -ⁿˢ . ˢ 2+ˢ '+#1ⁿˢ $+ . ,ⁿˢ "*ˢ ,"**4 2"#+*ˢ 2+ˢ '+#$0ˢ ,#",# +202+ˢ "* ˢ *+ . ˢ ";# /02"*ˢ 0ˢ ,0/0-ˢ 4 . ˢ . ,"*$ⁿˢ 0--401ˢ 0ⁿˢ +*102"('" . ⁿˢ 940194+#ˢ "4$#ⁿˢ ,#",# +$0# "Eˢ . 0*ˢ ;+ . ˢ *+ˢ '"-:''+ˢ 94+ˢ 0ˢ +24'0/0ⁿˢ 20ˢ *"' +202+ˢ -0ⁿˢ '1 +/"4ˢ 0 -20ˢ 0ˢ +**+ˢ ,"-1" ˢ -ˢ 940-1ⁿˢ 0ⁿˢ ,#+*+-$+ˢ +ˢ F0ˢ 4 . ˢ ,#" ˢ /#+**ⁿˢ ˢ 3+#ˢ 0ˢ ,#",# +202+ˢ 1 1$+#0# 0ˢ '"-$ -4020ˢ 24#0-$+ˢ $# -10ˢ 0--"*ˢ 2+ ˢ ," *ˢ 20ˢ . "#$+ˢ 2"*ˢ 04'1"#+*ˢ + . ,ⁿˢ 3 #2($013+G(+ . ˢ 94+ˢ +110ˢ *'#>ˢ #+ ˢ '"-:+' 20ˢ 24#0-$+ˢ ' -'""- 0ˢ 0--"*(+ˢ 0$+ˢ ,"#ˢ +*,0/ⁿˢ 2+ˢ '+$-ˢ 0--"*

0ˢ *+**0ⁿˢ 2+ˢ A>ˢ 2+ˢ . 0 ⁿˢ 2+ˢ AC6>ˢ 2ⁿˢ "-*+1;ⁿˢ +#01ˢ 2+ˢ -*$#4' ˢ /0ⁿˢ 4;1 '0ˢ " ˢ 0,,#"302ⁿˢ 4 . ˢ ,0#+'+#ˢ *";#+ˢ 0ˢ #+-"30/0ⁿˢ 2ⁿˢ $#0$02ⁿˢ '" . ˢ 0ˢ #0-/0ˢ 2'+#'0ˢ 20ˢ ,#",# +2+2+ˢ 1 1$+#0# 0

* 094ˢ "*ˢ ,# -' , "*ˢ + . ˢ 94+ˢ 0**+-$0#0 . ˢ "*ˢ 3"/0+*ˢ 2ⁿˢ '"-*+1;"<

K?ˢ 2 #+ 1ⁿˢ 2+ˢ ,#",# +202+ˢ 1 1$+#0# 0ˢ +*10ˢ '"-* /-02ⁿˢ -ⁿˢ 2+'#+$ⁿˢ 2+ˢ Cˢ 2+ˢ F41:ⁿˢ 2+ˢ ACDA(+ˢ +ˢ :"F+ˢ #+'+; 2ⁿˢ +ˢ *0-'' "-02ⁿˢ -0ˢ 1+/ *10/0ⁿˢ 2+ˢ $"20*ˢ 0*ˢ -0/"+*ˢ '41$0*

Y **+/4#0#ˢ ⁿˢ ,1+-ⁿˢ +8+#' ' ⁿˢ 25+*$+ˢ 2 #+ $ⁿˢ -ⁿˢ -$+#+**+ˢ 20*ˢ *' +- ˢ ' 0*(20*ˢ 1+$$#0*ˢ +ˢ 20*ˢ ;+110*ˢ 0-$+*Eˢ +ˢ +*10;+1+'+#ˢ ,"#ˢ . + ⁿˢ 2+ˢ '"-3+- ˢ /"+*ˢ -1+#-0' "-0+*ˢ "*ˢ ,# -' , "*ˢ 2+ˢ #+' ,#"' 202+(,#"'10#002"*ˢ -ⁿˢ '"- ˢ /#+**ⁿˢ 2+ˢ #48+110*ˢ + . ˢ *+$+#0;#ⁿˢ 2+ˢ ACDCˢ '" . ˢ 0**+-1 . +-$ⁿˢ 2"*ˢ :" . +-*ˢ - 0 *ˢ + . -+-$+*ˢ 2"*ˢ 2 3+#*"*ˢ ,0 X+*(94+ˢ $" . 0#0 . ˢ ,0#$+ˢ -0*ˢ 2+1 ;+#0 ˢ /"+*ˢ 25094+110ˢ 0**+ . ;1+0Eˢ $+#-ˢ * 2ⁿˢ ⁿˢ ";F+'$ⁿˢ 20ˢ *"11 ' 42+ˢ +ˢ 20*ˢ ;"0*ˢ 2 1 /+-' 0*ˢ 2"*ˢ /"3+#-"*(94+(02:+# -2ⁿˢ 0ˢ +**0*ˢ . 0- +*$0/"+*(*+ˢ +#0 ˢ ,+-:0 . ˢ +#0ˢ $#024G 1 0*ˢ *40ˢ 1+/ *10/0ⁿˢ +ˢ 0 +# #ˢ ,"#ˢ +110*ˢ 0*ˢ #+ "# . 0*(-5+*1+ˢ ,"-$ⁿˢ #+'10#0020*ˢ 2'*2+ˢ . 4 1ⁿˢ ,+1ⁿˢ 04'$9# *02ⁿˢ 3"$ⁿˢ +ˢ ,+10ˢ +* ˢ '10#+' 20ˢ ", - 0ⁿˢ 2"*ˢ . 0 *ˢ 11-*$#02"*ˢ +-/+-:"*Eˢ +ˢ 2+ˢ 94+ˢ 0 -20ˢ . 4 ˢ #+'+-1+ . +-$+ˢ 0ˢ #0-/0M2+4ˢ -"$03+1ˢ +8+ . ,1"(-"*$#2;01:"*ˢ 20ˢ '" . . a* ˢ *0ⁿˢ +-'0##+/020ˢ 2+ˢ ,#","#ˢ 4 . ˢ -"3ⁿˢ ,#"F+ 1ⁿˢ 2+ˢ 1+ˢ *";#+ˢ 0ˢ ,#",# +R 202+ˢ 1 1$+#0# 0ˢ +ˢ 0#1 *1 '0(+ . ˢ 94+ˢ ,+10ˢ ,# #0+ 0ˢ 3+Gˢ 0,,0#+'+4ˢ '"-* ˢ /-020ˢ +8,#+**0 . +-1+ˢ 0ˢ ,+#,+14 202+ˢ 2ⁿˢ 2 #+ 1ⁿˢ 2+ˢ ,#",# +202+ˢ 1 1$+#0R #0S

2 . 11 22ˢ *$ⁿˢ ,"#ˢ $"2"*ˢ "*ˢ 3"/0+*ˢ 2ⁿˢ '"-*+1;"(+-$+-2+4 *+ˢ 94+

ˢA <* ˢ ;"ˢ * ˢ

0 2 *'4**0 , "2 0 *2 . +-$+ 3+#*0# *";#+ 0 '"-2 /"+ . 0 F4*$0 + '"0K 3+- +-$+*('" . 94 *+ 2+3+ +*$, 10# /"* +8+#' ' 2 #+ $ 2+ ,#",# +202+ 1 11+#0# 0(*+#0 ,#+F" G 2+ 940194+# "14#0 #+ "##00 20 -"**0 1+/ *10 0 *";#+ +*$+ 0**4 . ,$"

5+*$0 '"- "##0 202+(0**+-$"4 '"-*+1:" +#0 94+ -0 ,"2 0 $" . 0# *+ '"#0" ;0*+ ,0#0 -"30 '"-3+-/0" 0 2+ AI 2+ 0;# 1 2+ ACDA(K,0# $ '410# . +-$+ -" 94+ #+*,+ $0 0"* 2 #+ $"* 2+ $#024''0"(0"* 2+ 04'$"#+* 2+ '" . ,"* '"+* 2#0 . 0$ '0*(+ 0"* '+#$ '02"* 0 94+ *+ #+ +#+ . " "* 0# $ /"* 7 U(D U(+ A? S(AA S 20 #+ +# 20 '"-3+-BF0" H

" , " * *";#+ +**+* ,"-$"* +*,+' 0+*(94+ '"-*+1:" 8"4 0 *40 0$$+- 0"(2+," * 2+ ,"-2+#0# 94+ 0 -"**0 1+/ *10/0" #+'"-:+' 0 " 2 R #+ $" 2+ ,#",# +202+ 1 $$+#0# 0 + 0#$ *1 '0(+ 94+ *0-'' "-02" +*$030 " ,# -' , " 2+ #+'"-;+' . +-$" -1+#-0' "-05 25+**+ 2 #+ $" ,+10* '"-3+- /"+* '+1+;#020* +-$#+ "* ,# -' ,0+* +*$02"* 20 4#",0

d 10" . ,"#$0-$+ " 0**4 . ,$" 25+*$+ '0, $41"(94+ "#0 '+-*4#03+1 2+*'4 2" -0" 0,#+*+-$0# 0" '" . . 4#0(2"* 1+ $"#+* 4#-+1+#0+-$" 2+ +* $42"(94+ *+ -"* 0 /4#0 *+# 2+ /#0-2+ 3010

;# 4 *+ -" . +G 2+ F4-:" 2" '"##+-$+ 0--" BACVC 4 . : ('+1+;#02" +#0 0# * ,"# "''0* 0" 20 8,"* /0" - 3+#*01

+," * 20 2 3 *0" 2+ $#0;01:"* +-$#+ "* . +#0;#"* 2" '"-/#+**"("#0 . ";F+'$" 2+ 2 *'4**0" /+#01 "* *+/4 -$+* ,"-$"*<

#+ $" 2+ ,#",# +2022 1 $$+#0# 0 '"-2 /;+* 25+*$+ 2 #+ $"E 0 *40

[+F0 -" 3"1 8 3 2" (2+ " . ;#0(*";" $ $41"E * 3 + * : ; + 7 AC6>

+ 4-0- . + . +-1+ 0, ,#"302" +#0 *+0" 2+ A>2+ . 0 " ,+1"* 3" /0+* 2" '"-*+1:"(3+ - 0'" . ,0-:02" 2+ . 4 $" +#42 $0* -"$0*('"-$+-2" +*' 0Z #+' . +-$"* ; ;1 "/#0, : '"*(1+/ *10$ 3+*(+ 2"4$# -0+* *";#+ " 0**4 . ,$" " . +* . " 3"1 *+ +-'"-$#0 4 - "103+1 0#$ /"(-$ $4102" * * # . 02" ,"# " ",+* #0/0

* "* ,"-$"* '0, $0+* 2" +*142" 2" 114*$#02" 0#$ '41 *$0 4-20 . +-$" 20 ,#",# +202+E ;#+3+* -"/"+* *";#+ 0 ,#",# +202+ 1 $$+#0# 0E 2+ . "-*$#0/0" 20 ,#",# +202+ 1 $$+#0# 0E h0-$ + 0 ,#",# +202+ 1 $$+#0# 0E " *# 1+80-2#+ +#'4 10-" + 0 ,#",# +202+ 1 $$+#0# 0E 0 ,#",# +202+ 1 $$+#0# 0 + " *# *'"-2+ 2+ +0 ;#0E 1+80-2#+ +#'410-" + 011"GE + 41$. 0 . +-$+ 0 +8,#+**0" 2" *+-$ # 2" 0#R $ '41 *$0(+ . $42" '"- "# . + '" . " ,# -' , "* 94+ $# 4#0,:0#0 . -" "2 /"

24#0'0" J +3+ʻ Oʻ ,#",# +202+ʻ 1 1$+#0# Oʻ *+#ʻ 0**+ . +1:020ʻ 2*ʻ "41#0*ʻ +* ʻ ,+' +*ʻ 20ʻ ,#",# +202+(ʻ "4ʻ *+#ʻ #+/41020ʻ ,"#ʻ 4 . Oʻ 1+ʻ ,0#$ '410#X

+ . ʻ 2+," *ʻ 01/4 . 0*ʻ +*,+' 01 202+*(ʻ $0+*ʻ '"#0"< #+,#"24''0"Eʻ #0ʻ 24'/ "(* + ʻ -*4 ' +-'ʻ Oʻ 20*ʻ '"-3+-'"+*ʻ 2 ,1" . 0$ '0*ʻ *";ʻ "ʻ ,"-$"ʻ 2+ʻ 3 *$Oʻ 20ʻ ,#"$+'/0"ʻ 2"ʻ 2 #+ 1"ʻ 2+ʻ ,#",# +202+ʻ 1 1$+#0# 0Eʻ 2 1 ʻ '41202+*ʻ #+*41$0-$+*(,# -' ,01 . +-$+(ʻ 20*ʻ "# . 01 202+*ʻ 2+ʻ #+/ *$"(ʻ 2+ʻ ,"* 1"(ʻ +$' (ʻ +80#020*ʻ -0*ʻ '"-3+-/"+*ʻ 94+ʻ 0'1401 . +-$"ʻ +8 *$+ . Eʻ 03+#ʻ /40/0"ʻ 2+ʻ 4 . Oʻ "# . 410ʻ ,#+' *+(ʻ 94+ʻ :0Fʻ 2+ʻ *+#ʻ -$#"24G 20ʻ -"* $#0$0Pʻ 2"*ʻ 2+ʻ '" . . +#' "(ʻ + .ʻ *4;*$ $4 /0"ʻ 20*ʻ "# . 410*ʻ 0-1 /0*

#","*$0ʻ 2+ʻ 4 . Oʻ "# . 410ʻ 0''+ 103+1ʻ ,+1"*ʻ . + . ;#"*ʻ 2"ʻ '"-/#+**"ʻ 94+ʻ $" . 0**+ . ʻ ,0#$+ʻ -"*ʻ #0;01:"*(ʻ +ʻ ,#"F+'1"ʻ 2+ʻ 4 . Oʻ '"-3+-/0"ʻ 1 $$+ʻ #0# Oʻ -$+#-0' "-01(ʻ + .ʻ 3 #142+ʻ 20ʻ 9401ʻ *+Fʻ "ʻ +*'# ,$"#ʻ +*1#0-/+ #"ʻ 0*ʻ *+ . +1;02"ʻ 0"*ʻ +*'# ,1"#+*ʻ -0' "-0+*ʻ -"ʻ +8+#' ' "ʻ 2"*ʻ 2 #+ $"*ʻ *";#+ʻ 0*ʻ ";#0*ʻ #+*,+'1 30*ʻ "-2 /0"ʻ 2"*ʻ +*'# ,1"#+*ʻ -0ʻ 6,"'0ʻ 0'$401 **"' 0ʻ /"+*ʻ 1 1$+#0# 0*ʻ 8,"* /0"ʻ 2+ʻ 2 3+#*0*ʻ -*1 $4 /"+*ʻ $+-2+-$+*ʻ Oʻ #0+1:"#0#ʻ Oʻ *"#$+ʻ 2"*ʻ :" . +-*ʻ 2+ʻ 1+11#0*ʻ 2+ʻ 2 +#+-$+*ʻ ,0 G+*ʻ "$+*ʻ 94+ʻ 2+3+ . ʻ "# . 410# *+ʻ '" .ʻ #+10/0"ʻ 0"ʻ 4$4#"

-$+#+**Oʻ . 4 $"ʻ 0"*ʻ 1+ $"#+*ʻ $+#ʻ '"-:+' . +-$"ʻ 20*ʻ '"-'14*;+*ʻ Oʻ 94+ʻ ':+/"4ʻ ʻ '"-/#+**"

0#Oʻ . 0 "# +80'$ 20"ʻ #+/ *$0#+ . "*ʻ -"ʻ "# / -01ʻ #0-'+Gʻ +**0*ʻ '"-ʻ '14*"+*<

*ʻ +ʻ 2#" $ʻ 2+ʻ 504$+4#ʻ *4#ʻ *"-ʻ "+43#+ʻ '"-*$ $4+(ʻ -"-ʻ 4-+ʻ '"-'+*R * "-ʻ 2+ʻ 10ʻ 1" (ʻ . 0 *ʻ 4-+ʻ 2+*ʻ "# . +*ʻ 2+ʻ 10ʻ ,#",# +$+(ʻ 94+ʻ 1+ʻ 1+/ *10$+ #ʻ 2" $ʻ /0#0-$ #

+ʻ 2#" $ʻ 2+ʻ 504$+4#(ʻ 2+ʻ *+*ʻ : +# $ +#*ʻ +$ʻ 2+ʻ *+*ʻ 0N0-$*ʻ '04*+ʻ +]$,+#,+$4+1

*ʻ +*ʻ 2#" $*ʻ ,# 301 *ʻ #+'"--4*ʻ 04ʻ ,#" $ʻ 2+*ʻ :+# $+#*ʻ 254-ʻ 04$+4#ʻ ;+ʻ ,+43+-$ʻ 0 #+ʻ ";*$0'1+ʻ Oʻ 10ʻ ,4;1 '0$ "-ʻ 254-+ʻ -"43+11+ʻ +2 $ "-(ʻ ,"4#34ʻ 945+11+ʻ *" 1ʻ 2+1+E '+$1+ʻ -"43+11+ʻ +2 $ "-ʻ 2+3#0ʻ 2$#+ʻ ,#2++2++ʻ 25" #+*ʻ #++11+*ʻ 2+ʻ ,0N+ . +-$ʻ 254-+ʻ -2+ . - 1+ʻ +$ʻ 2+ʻ 2+48ʻ *" . . 0$ "-*ʻ - #4'$4+4ʻ *+*ʻ #2,2$++*ʻ 0ʻ * 8ʻ . " *ʻ 25 -$+#3011+

+0- . " -*ʻ 5;+# 1 +#ʻ *+#0ʻ '"-* 2+#+ʻ '"#0#0+ʻ 1 +ʻ ,0#ʻ 10ʻ 3"1"-1+ʻ 2+ʻ 504$+4# 2"-$ʻ 1ʻ ,"4##0ʻ F4*$ +#ʻ +$ʻ '+-$#+ʻ 10ʻ 94+11+ʻ -+ʻ ,"4##0ʻ ,#+301" #ʻ 04'4-+ʻ #0 *+ʻ +-ʻ 2+ . +4#+

$ "4$+ʻ "+43#+ʻ 1 $$+#0 #+(ʻ *' +-1 94+ʻ "4ʻ 0#1 *$ 94+ʻ *+#0ʻ $#0 $++(ʻ 20-* 1+*ʻ ,0N*ʻ 04$#+*ʻ 9 4+ʻ *"-ʻ ,0N*ʻ 25"# / -+(ʻ *4 30-Tʻ 1+*ʻ #02 . +*ʻ 1" * 94+ʻ 1+*ʻ "+43#+*ʻ 25"# / -+*ʻ -0$ "-01+*

[ʻ ''#+*'+-$"4 *"(,0#0ʻ . 0 "# '10#+G0< $ 5+82'4$ "-ʻ 2+*ʻ #"43#+*ʻ 2#0 . 0

"4# 94+ʻ '+$$+ʻ ,#"$+'$ "-ʻ : ʻ *" $ 0**4#++(1*ʻ 4 #0ʻ ʻ 5041+4# 250ʻ 3" #ʻ 0'" . ,1 (20-* 1+ʻ ,0N* " 1ʻ 1+ʻ 1 3#+ʻ 0 6$+ʻ ,4 ;1 'ʻ ,"4# 10ʻ ,#+ . +#+ʻ " *(1+* "# . 01 1+* 254*0/+

-ʻ '+ʻ 94 ʻ '"-++#-+ʻ 10ʻ $#024'$ "-ʻ +$ʻ 5020,$0$ "-(1+ʻ '"-/# * +8R ,# . +ʻ 1+ʻ 3"+4ʻ 94+ʻ 1+* $#0 $6* -$+#-0$ "-048ʻ #6*+#3+-$ ʻ 504$+4# 1+ʻ 2#" $ʻ +8'14* ʻ 25041"# *+# '+$$+ʻ $#024'$ "-ʻ +$ʻ 020,$0$ "-

$ +ʻ '"-/#+* +8,# . +ʻ 1+ʻ 3'+4ʻ 94+ʻ 1+* '"-3+-$ "-* 1 $1+#0 #+* -1+# ʻ -01 "-01+* 94 ʻ *+#"-$ 0 1+* 1 503'- # *" +-$ -2+,+-20-$+* 2+* '"-3+-R $ "-* '" . #0+#' 01+* "4ʻ 02"40- +#+*

?ʻ '"-/#+**"ʻ 02",$"4ʻ *+ . ʻ 2 *'4**0"ʻ 0* 240* #'*"14'"+* *+/4 - I $+*E

Aʻ Sʻ +ʻ '"-/# +* <ʻ +*$. +ʻ 94+ʻ 50 . 1 "#0$ "-ʻ 2+ʻ 10ʻ '"-2 $ "-ʻ . "R #01+ʻ +$ʻ . 01+# +11+ʻ 2+* 1 $$+#0$+4#* +*$ʻ +**+-$ +11+#0+-1ʻ 1 ++ʻ $ʻ 10ʻ "# . 0$ "-ʻ "4ʻ 04ʻ 2+3+1", ,+ . +-$ʻ 2+ʻ *"' +$+* 0N0-$,"4# ";F+$ʻ 10ʻ 2+ +-*+ʻ 2+* 2#" $* 2+ʻ +'# N0 -ʻ +$ʻ 10ʻ +#20$ "-ʻ 2+ʻ ""2* 2+ʻ *+'"4#* +$ʻ 2+ʻ #+$#0 $+

I (Sʻ +ʻ +"-/#+* 6 . +$ʻ 1+ʻ 3"+4ʻ 94+ʻ 10ʻ 94+*$ "-ʻ 24ʻ '#+2 $ʻ *" $ʻ . *+ʻ ʻ 5+$42'ʻ +$ʻ -*'# $+ʻ 04ʻ ,#"/#0 . . +ʻ 24ʻ ,#"':0 -ʻ '"-/#6* -$+#-0$ "-01

?ʻ '"-/#+**"ʻ -0"ʻ *+ʻ +Gʻ '0#/"ʻ 2+ʻ +80 . -0# +ʻ #+*"13+#ʻ 0* ,#", "* ʻ "+* 94+ʻ :+ʻ "#0#0ʻ 0,"-$020* *";#+ʻ "* *+/4 -$+* 0**4 . ,$"*< '" . ,1+$0ʻ 1 ;+#202+ʻ 2+ʻ ,+-*0#0+-$"ʻ + . ʻ 1"2"* "* ,"3"*E +8$+-*0"ʻ 20ʻ #+*, "-*0; ʻ 1 202+ʻ ,+**"01ʻ 2"ʻ +*'# ,$"#E F41/0 . +-$"(*+/4-2"ʻ "ʻ 2 #+ $"ʻ '" . . 4#0(20* '"-$#03+-)"+* "4ʻ 2+1 '1"* '" . . +$$ 2"* ,+1"ʻ +*'# ,$"#

-$+-2+4ʻ 94+ʻ +*$+* ,"-$"* -0"ʻ +-$#030 .ʻ -0* . 0$+# 0* 94+ʻ 2 #+ʻ $0 . +-$+ʻ '"-*1 $4 0 .ʻ "ʻ ";F+'$"ʻ 2+ʻ *40ʻ #0 **0"

"$"4ʻ ʻ ,#"F+'$"ʻ 2+ʻ "#/0- *0/0"ʻ 2+ʻ 4 . 0ʻ 0**"' 0'0"ʻ 1 $$+#0# 0ʻ -1+#ʻ -0' "-01(-0ʻ 940 1ʻ $" . +#0ʻ ,0#$+ʻ 0* *"' 202+* 1 $1+#0# 0* +ʻ "* +*'# ,$"#+* 2"* 2 3+#*"* ,0 G+*E $+-2"ʻ ,"# ";F+'$"<

Aʻ Sʻ ʻ 2+ +G0ʻ 20* ,# -' , "* 20ʻ ,#", # +202+ʻ 1 $$+#0# 0E

I ʻ Sʻ ʻ "#/0- *0'0"ʻ 2(+ʻ #+10/"+* #+/410#+* +-$#+ʻ 0* *2' +202+* 1 $$+ʻ #0# 0* +ʻ "* +*'# ,$"#+* 2"* 2 3,#*"* ,0 G+*E

7ʻ Sʻ ʻ - ' 0$ 30ʻ 2+ʻ $"20* 0* 4-20/"+* 94+ʻ 0,#+*+-$+ . ʻ 4#-ʻ '0#0'$+# 1 $$+#0# "ʻ -$+#-0' "-01

ʻ *+2+ʻ 20ʻ 0**"' 0/0"ʻ +ʻ 0ʻ ' 202+ʻ 2+ʻ 0# *E +ʻ 02 . - *$#020ʻ ,"# 4 . 0ʻ '"#0 . **0"ʻ . 8$0ʻ 2+ʻ #0-'+G+* +ʻ +*$#0-/+ #"*E *+-2"ʻ 0ʻ ,# . + #0ʻ '" .

$ 94+* +$. 4* '01+* *+#0 1ʻ ,#"$+/++ʻ 0ʻ 5+I$#0-/+# 20-* 1+* . . +* '"-2 $ "-* 94+ʻ ʻ 1 3#+ H

J ˢNE;ˢ J

. **0"ˢ 02 . - *$#0$ 30ˢ +1+ $2ˢ ,+1"ˢ '"-/#+**"ˢ + . ˢ 0**+ . ;1+0ˢ /+#- (+ˢ +- ˢ '0##+/020ˢ 2"ˢ "#/0- *0#ˢ 0ˢ 0**"' 0'0"

?ˢ '"-/#+**"(0-$+*ˢ 2+ˢ '"-* 2+#0#ˢ +-'+##02"*ˢ "*ˢ *"4*ˢ $#0;01:"*(02"ˢ ,$"4ˢ 0ˢ ,#","*10ˢ 94+ˢ $:+ˢ "ˢ 0,#+*+-1020(*0;#+ˢ 0ˢ #+-- 0"ˢ 2+ˢ 4 . ˢ '"-R /#+**"ˢ 2 ,1" . 01 '"(+-'0##+/02"ˢ 2+ˢ +10;"#0#ˢ 4 . ˢ ,#"F+'1"(2+*1 -02"ˢ 0ˢ 4- "# . *0#ˢ 0ˢ 1+/ *10'0"ˢ 20ˢ ,#",# +202+ˢ 1 11+#0# 0Z

) ˢ ˢ ˢ (ˢ ˢ

94 (2+," *ˢ 2"ˢ 94+ˢ -"ˢ $" . "ˢ 3 ˢ 2 **+ . "*ˢ 0ˢ #+*,+ $"ˢ 2"ˢ 8 ˢ ˢ +ˢ (ˢ ˢ ,#+1+-2+ . "*ˢ 2+# 30#ˢ 2"*ˢ 2 ,1"$-0*ˢ "$ ˢ ' 0+*ˢ 0*ˢ 2+-" . -0/"+*ˢ 2 3+#*0*ˢ 20*ˢ 94 -$0*ˢ 2+ˢ +-* -"ˢ 0/# '"10(0,"-ˢ $0#ˢ "*ˢ '0#0'1+#+*ˢ 94"ˢ 0*ˢ 2 *1 -/4+ . (+ˢ '"11 / #ˢ -"1 ' 0*ˢ -1+#+**0-1+*ˢ 94+ˢ "*ˢ 2 ,1" . 0*ˢ " 11' 0+*ˢ " ˢ 01/ . *ˢ +*'# ,$"*ˢ 301 "*"*ˢ -"*ˢ . - *$#0 .

?ˢ 2+'#+1"ˢ 2+ˢ A6ˢ 2+ˢ 2+G+ . ;#"ˢ 2+ˢ AC6Iˢ +*$0;+1+'+4ˢ #+*ˢ /#04*ˢ -"ˢ +-* -"ˢ +*,+' 01ˢ 2+ˢ 0/# '41$4#0(*+-2"ˢ "ˢ ,# . + #"ˢ B+ˢ +ˢ *" . +-$+ˢ 25+1 +ˢ 94+ˢ ,"#ˢ +#0940-$"ˢ -"*ˢ "''4,0 . "*ˢ "ˢ ˢ ˢ ˢ * ˢ 2ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ *

ˢ -*$#4'/0"ˢ 25+*$+ˢ * ˢ ˢ 6ˢ 2020ˢ -0*ˢ , ˢ ˢ ˢ '41$ 3020*ˢ ,"#ˢ ,0#$ '410#+*

+F0 . "*ˢ 0*ˢ 2 *,"* /"+*ˢ 2"*ˢ 0#1 /"*ˢ I Lˢ 0ˢ C Sˢ B -'14* 3+ˢ 2"ˢ #+ +ˢ # 2"ˢ 2+'#+1"ˢ 2+ˢ A7ˢ 2+ˢ 2+G+ . ;#"ˢ 2+ˢ AC7Iˢ 94+ˢ +*,+' 01 . +-$+ˢ 2 G+#0ˢ #+*,+ $"ˢ 0"ˢ ˢ ˢ * ˢ >

Aˢ Sˢ #0ˢ '020ˢ 4 . 0ˢ 20*ˢ 0-$ /0*ˢ ,#"3 -' 0*ˢ 2"ˢ #' -"ˢ *+# ˢ '#+020(,+1"ˢ . +-"*(4 . 0ˢ , ˢ ˢ ˢ 2+*1 -020ˢ 0ˢ "# . 0#ˢ ˢ 2ˢ ˢ +ˢ , ˢ -*1#4 2"*Eˢ *+-2"ˢ +*10*ˢ 94 -$0*ˢ ˢ ˢ 2ˢ ˢ ˢ ˢ * ˢ ˢ *

Iˢ Sˢ ?ˢ /"3+#-"ˢ '"-3+-' "-0# ˢ '" . ˢ "*ˢ ,#",# +$0# "*ˢ "4ˢ /+#+-$+*ˢ 250/4+11+*ˢ +*$0;+1+' . +-$"*ˢ 0ˢ 02 . **0"ˢ 2+ˢ 4 . ˢ 2+$+# . -02"ˢ -4 . +#"ˢ 2+ˢ . 0-'+;"*(0ˢ . ˢ 2+ˢ #+'+;+#+ . (-"*ˢ . +* . "*ˢ +*$0;+1+' . +-$"*(0ˢ -*$#4'ˢ /0"ˢ ,#0$ '0ˢ 2"*ˢ ,#"'+**"*ˢ +ˢ ",+#0/"+*ˢ -5+1 +*ˢ 02",$02"*Eˢ ,'#'+;+-2"ˢ ˢ -2 '02"*ˢ ,#",# +$0#"*ˢ "4ˢ /+#+-$+*ˢ 4 . 0ˢ #+$# ;4 '0"(,"#ˢ ,0#$+ˢ 2"ˢ /"ˢ 3+#-"(,#","#' "-020ˢ 0ˢ $01ˢ +-'0# "

W7 Sˢ *ˢ 94 -$0*ˢ 2+ˢ +-* -"ˢ *" . +-$+ˢ ,"2+# "ˢ *+#ˢ -*$ $ 20*ˢ -"*ˢ +*

Aˢ *ˢ "$ + 0*ˢ 94+ˢ 20 . "*ˢ 0ˢ #+*,+ $"ˢ 2"*ˢ 3"$"*ˢ +8,#+**02"*ˢ ,+1"ˢ '"-/#+**"(+-'"-$#0 . "1 0*ˢ -0ˢ : , ˢ ˢ ˢ ˢ ˢ ? * ˢ ˢ ˢ ˢ 2ˢ

$0;+1+' #0+-$,* + .' 94+' "#' 02",102"' 4 .' *N*$+ . 0' 2+' '4 4#0 +'"-:+' ' 20 . +-$+' #0' "-01' +' ,#"24'$ 3"

> ' S * >

' . 0-4$+-'0"' +' *"12020*' 2"*' 0,#+-2 G+*' '0 .' 0' '0#/"' 2"' 0/# ' '41$"#' 20' 94 -$0' 2+' +-* -"(' '" .' 94+#-' "' /"3+#-"' '"-$#0$0#

4-'0' "*' 0,#+-2 G+*' *+#0"' 02 . $1 2"*' 0-$+*' 20' +202+' 2+' A6' 0--"*

+#0"' +#0,#+/02"*' + .' $"2"*' "*' $#0;01:"*Z +' ",+#0/"+*' 2+' /#0-/+ "' +' +8+'4$01 "* :0"' '" . "' *+' "**+ .' $#0;01:02"#+*' 0**010# 02"*

?' /"3+#-"' 2 *1# ;4 #>' 4 .' '+#$"' -4 .+#"' 2+' ,#+ . "*' 0"*' 0,#+-2 R G+*' 94+' *+' 2 *$ -/ #+ .' ,+10' *40' 0,,1 '0/0"' +' 0,#"3+ 10 . +-$"Ë *+-2" ' :+*' +-$#+/4+' "' ,#"24'1"' 2ÿ+**+*' ,#+ . "*' 4- '0 .+-$+' -"')#0' 20' 0,#+-' 2 G0/+ .(' 94+' 01 * -4-'0' ,"2+#2' +8'+2+#' 0' $#+*' 0--"*

D(' S : ' ' >

03+#0' -0*' 94 -$0*' 2+' +-*1-"' 4 .' ':+ +' 2+' $#0;01:"*(' #+$# ;4 2"' ,+1"' /"3+#-"(' +' ,"#' +11+' -"#0+02"(' 2+' 0'"#2"' '" .' "' 0/# '41$"#' 2"' +*' $0;+1+' . +-$"

?' ':+ +' 2+' $#0;01:"*' +' F-'4 . ; 2"< AS' 20' 2 #+'/0"' #0#0+2 010' 20*' ",+#0/"+*' 0/# '"10*' 94+' :+' "#+ .' -2 '02"*' ,+1"' 0/# '41$"#' 2"' +*$0;+' 1+' . +-$"Ë I S' 20' +8,1 '0/0"' 2"*' ,#"'+**+*' +' ,#0$ '0*' 0/#0#0# "*(' 0"' ,0**"' 94+' "#+ .' *+-2"' +8+'4$02"*Ë 7 S' 2+' 20# 01/ #00*' -"/"+*'+1+ . +-' $0#+*' 20*' 0#$+*' 0/# '"10*(' +' 20' 3+$+# -0# 0( ) - "#. 0-2" *+' '" .' "' ,#" ' /#0 . . 0' 94+' :+' "# $#0/02"' ,+1"' "-*+1:"' 2"' -*1 4"' /# '"10

+F0 . "*' 0/"#0' "' 3+#202+ #"' 01'0-'+' 2ÿ+*$0*' 2 *,"* /"+*(' +' "' *+-$ 2"' +#0' 94+' "' /"3+#-"' 0*' $" . "4

"' #+10$"# "' 94+' ,#+'+2+' "' ' 102"' 2+'#+$"' 2+' A6' 2+' 2+G+ . ;#"' 2+' ACDI' +8,1 '0' "' /"3+#-"' '" .' $"20' 0' '10#+*0' +' 2+*+-3"13 . +-1"' "' 013"' + . 94+(' -ÿ+*1+' ,0#$ '410#(' ,"G+#0' 0' . #0E

K ' -*$#4+/0"' 2"' A f' /#04' 6' #+'+; 20' -0*' /#0-F0*(' "0'94 -$0*' 2+' +-' * -"(' '41$ 3020*' ,"#' ,0#1 '410#+*

' 02 . - *$#0/0"' '"-$#0$0' '" .' "*' 0/# '41$"#+*' /+#+-1+*' 2ÿ+*$0*' 94 ,' 10*' 0' 02 . **0"' +' "' $ #"' - "' 2+' 4 .' '+#$"' -4 .+#"' 2+' 0,#+-2 G+*' *$+*' +8+'4$0 .' ,"#' *40*' ,#",# 0*' . 0"*(' 24#0-$+' 0' *40' ,+# . 0-+-' 0' -"' +*$0' ;+1+' #0+-$"(' $"2"*' "*' $#0;01:"*' +' ",+#0/"+*' 2+' /#0-/+ "' 94+' :+*' " ' #+#0' '"#0+$$ 2"*' ' ÿ+*$+' -"2"' -0"' *" . +-$+' *+' "#$ 1+0 .' -"*' :0; $"*' 20' *40' ,#") **0"(' . 0*' 0294 #+ .' 0"' . +* . "' $+ . ,"' 0' 2+*$#+G0' . 0-401(' 0' "#/0' , :N* '0' +' 0' -*$#4+/0"' ,#0$ '0' 94+' :+*' '"-3+ .

' . +$:"2"' +' ",+#0/"+*' 2+' '41$4#0(' 02",$02"*' -0*' 94 -$0*' 2+' +-' * -"(' 2+3+ .' *+#' *+ . ,#+' #0' "-0+*' +' 14'#0$ 3"*

' 02 . - *$#0/0"' *"' '"-$#0$0' '" .' ,* 0/# '41$"#+*' 94+' G+#+ .' 4 . 0

F42 ' "*0ˢ 0, ,1 '0 0"ˢ 25094+ 1+*ˢ . +$: "2"*(+ˢ '4F0ˢ '0,0' 202+($0-1"ˢ . "R
#01ˢ '" . "ˢ 0/# '"10(1+-;0ˢ * 2"ˢ 2+ . "-*$#020ˢ ,"#ˢ 0'$"*ˢ ##+'0*03+ *
) 40-2"ˢ 900194+#ˢ 25+*10*ˢ '"-2 /"+*ˢ 3+-:0ˢ 0ˢ 011+'+#(0 02 . - *$#0 ˢ
0"ˢ #+*+#30 *+ˢ *+ . ,#+ˢ "ˢ 2 #+ $"ˢ 2+ˢ #+*' "2 #ˢ "ˢ '"-$#0$"
ˢ *4,+# "$+-2+-' 0ˢ 20*ˢ '41$4#0*ˢ -0*ˢ 94 -$0*ˢ 2+ˢ +-* -"ˢ ,+#$+-'+ˢ 0"ˢ
/+#+"$+ˢ 20*ˢ . +* . 0*ˢ 94 -$0*ˢ 0*ˢ F4-$"ˢ 25+11+ˢ +ˢ '"11"'02"ˢ 4 . ˢ ':+ +ˢ 2+ˢ
$#0;01;"*(-" . +02"ˢ +ˢ #+1# ;4 2"ˢ ,+10ˢ 02 . - *1#0/0"(,0#0ˢ "ˢ 048 1 0#ˢ '" . ˢ
"*ˢ *+4*ˢ '"-*+1:"*(+ˢ ,0#0ˢ 2 # / #ˢ ,#+*+-' 01 . +-$+ˢ 0*ˢ ",+#0/2+*ˢ #4#0+*(
*+ . ,#+ˢ 2+ˢ 0'"#2"ˢ '" . ˢ "ˢ /+#+-$+
?ˢ ':+ +ˢ 2+ˢ $#0;01;"*(2ˢ ,#","#'0"ˢ 94+ˢ +*1+*ˢ *+ˢ "#+ . ˢ +8+'410-2"(
+8,"#$ˢ 0"*ˢ 0,#+-2 G+*ˢ 0*ˢ 2"41# -0*ˢ #42 . +-10 5+*(94+ˢ *+#3+ . ˢ 2+ˢ 4-20ˢ
. +-$"ˢ 0"*ˢ #0+* . "*ˢ $#0;01;"*ˢ 0ˢ +8,"* 0"ˢ 25+*$0*ˢ 2"4$# -0*ˢ 2+3+ˢ 02"ˢ
,$0# *+ˢ 0ˢ . 0 "#ˢ * #0,1 ' 202+ˢ +ˢ '10#+G0(+3 $0-2" *+ˢ '4 202"*0#0+-$+ˢ "ˢ
+ . ,#+/"ˢ 20ˢ -" . +-'10$4#0ˢ *' +-1 '0(+ˢ "ˢ 2+ˢ 940+*94+#ˢ ,# -' , "*ˢ "4ˢ #0ˢ
' "' - "*(94+ˢ -0"ˢ ,"**0 . ˢ *+#ˢ ,#"#0,$0 . +-$+ˢ '" . ,#+1 +-2 2"*ˢ ,+10*ˢ
. 0 *ˢ 341/0#+*ˢ -$+11 /+-' 0*
5+*1+ˢ . "2"ˢ "ˢ +-* -"ˢ ,#01 '"ˢ 2"*ˢ 0,#+-2 G+*ˢ 6ˢ '"#0,1+$02"ˢ ,"#ˢ
+8,1 '0 "+*ˢ 2"4$# -0+*ˢ 0,#",# 020*ˢ 2ˢ *40ˢ '" . ,#+:+-'0"(+ˢ 0"ˢ . *$+#ˢ
94+ˢ +11+*ˢ 2+3+ . ˢ +8+#'+#
!6 *+(," *(94+ˢ 0*ˢ 94 -$0*ˢ 2+ˢ +-* -"ˢ 2+3+ . ˢ "#-+'+#ˢ ,+# "2 '0ˢ
. +-$+ˢ 4 . ˢ '+#$"ˢ -4 . +#"ˢ 2"ˢ '411 302"#+*(2"ˢ 0;+/;+*(+ˢ 2+ˢ . 0 "#0+*ˢ
-*$#4 2"*(94+ˢ :0"ˢ 2+ˢ +*,011 0#ˢ '" . ˢ "ˢ +8+ . ,1"(-0*ˢ 2 3+#*0*ˢ 1"'01 20ˢ
2+*ˢ "-2+ˢ *+ˢ +*$0;+1+'+#+ . (0*ˢ -" "+*ˢ +ˢ ,#0$ '0*ˢ 20ˢ '4114#0ˢ . 0 *ˢ 0,+#ˢ
+ "020*ˢ +ˢ 14'#0$ 30*
) 40-2"ˢ *"ˢ ,"2+'ˢ +*$+-2+#ˢ +ˢ '" . ,1+10#ˢ +*1+ˢ *N*$+ . 0ˢ 2+ˢ +-* -"ˢ -ˢ
*$ $4 -2"ˢ 4 . 0ˢ 94 -$0ˢ + . ˢ '020ˢ 2 *$# '$"ˢ 02 . - *1#0$ 3"("*ˢ ,#",# +$0# "*ˢ
+-'"-$#0#0"ˢ 0' 1 . +-$+ˢ 048 1 0#+*ˢ :0;+ *(94+ˢ "*ˢ 0F42+ . ˢ -0*ˢ *40*ˢ +#0ˢ
,#+G0*(*4;*$ $4 -2"ˢ 4 . ˢ $#0;01;"ˢ -$+11 /+-$+(+ˢ 4 . ˢ /#0-/+ "ˢ 14'#0$ 3"(
0ˢ ,#0$ '0*ˢ . +*94 -:0*ˢ (+ˢ 2+*30-$0F"*0*
"-'+;+ *+ˢ 0' 1 . +-$+ˢ $"20ˢ 0ˢ - 14+-' 0ˢ 94+ˢ :0"ˢ 2+ˢ +8+#'+#ˢ *";#+ˢ
0ˢ ,#"24') 0"ˢ "*ˢ 014 . -"*ˢ 94+ˢ *0 #+ . ˢ 25+*$0*ˢ +*'"10*(0** #0ˢ - ' 02"*ˢ -"*ˢ
. +$:"2"*ˢ . 0 *ˢ ,#"24'$ 3"*ˢ *ˢ 0'$"*ˢ +ˢ "*ˢ +8+ . ,1"*ˢ 2+*$#4 #0"ˢ +-$0"ˢ
+**0ˢ 4-+*$0ˢ -'#+241 202+ˢ 20*ˢ ,",410'"+*ˢ '4#0+*(94+ˢ #+* *$+ˢ $+-0Gˢ
. +-1+ˢ 0"*ˢ . 0 *ˢ '"-'142+-$+*ˢ #0' "' - "* S

. ˢ IIˢ 2+ˢ F4-:"ˢ 2+ˢ AC 7ˢ "ˢ +8,+2 2"ˢ 4 . ˢ 03 *"ˢ B0ˢ 94+ˢ "*ˢ /"3+#ˢ
-02"#+*ˢ ' 3 *ˢ 2"ˢ '"-1 -+-$+ˢ 2+3 0 . ˢ 20#ˢ 0ˢ . 0 "#ˢ ,4;1 ' 202+ˢ '"-'+; 2"ˢ
-"*ˢ *+/4 -$+*ˢ $+# . "*<
K +3+-2"ˢ 20# *+ˢ +8+'4/0"ˢ 0"ˢ 94+ˢ +*$0ˢ 2 *,"*1"ˢ -"ˢ 2+'#+$"ˢ 2+ˢ A6ˢ
+ˢ 2+G+ . ;#"ˢ 2+ˢ AC7Iˢ '" . ˢ #+ +#+-+ 0ˢ 0"ˢ * ˢ ˢ ˢ ˢ 2

' *0"' '"-3 202"*' 1"2"*' "*' * * ' "4' 7 ' 2"*' * '
94+' +*$+F0#0' -0*' ' #'4#0*$0-' 0*' 2+' *+' '"-3+#1+#+ . ' + . ' , ' ' '
'"- "# . +' 0*' '"-2 "+*' +8 / 20*' ,+1"' #+ +# 2"' 2+'#+$"(' 0' #0' 2+' 94+('
0$+' 0"' 2 0' 7?' 2+' F41:"' ,#"8 . "(' 0,#+*+-1+#0' "*' *+-*' #+94+# . +-$"*(' 2+'
3 20 . +-1+' 2"'4 . +-$02"*(' -"' /"3+#-"' ' 3 1' 2"' *+4' #+*,+'1 3"' 2 *$# '$"E
2+3+-2"' '020' #+94+# . +-$"' *+#' ;+# ' +8,1 ' $"' +#0' #+10'0"' 2*' ,#"3 *"+*'
2"' 2+'#+$"' F ' . +-' "-02"(' 0* 940+*' + . ' *+/4 20' *+' ,4;1 '0 . ' ,0#0' '" '
-:+' . +-$"' 2"*' -$+#'**02"* H

B +/4 0 *+' 0' $#0-*'# ,'0"' 2"*' 0#$ /"*' I S' 0 C S' 2"' #+ +# 2"' 2+'#+$"(' 2"*' 940+*' 2+ . "*' -"1 ' 0(' $0' ,"4'"

4 . ,#+' -"$0#' 94+' 0"*' /"3+#-02"#+*' ' 3 *(' -0' ' #'410#' + . ' 94+' *+'
:+*' "#2+-030' 94+' 2+**+ . ' 0' . 0 "#' ,4;1 ' 202+' 0"' ' *+',#" . +$1 0' 94+'
41$+# "# . +-$+' *+# 0#0' +8,+2 20*' 0*' '"-3+- +-$+*' -*$#4'/"+*' ,0#0' 0' -'
"# . 0/0"' 2"*' #+94+# . +-$"*' 94+' "**+ . ' 0,#+*+-$02"*' *";#+' $01' 0*'
*4 . , "

*' 94 -$0*' 2+' +-* -"(' '#+020*' ,+1"' 2+'#+$"' 2+' A6' 2+' 2+G+ . ;#"' 2+'
ACD I(' "#0#0' '"-* 2+#020*' ,+1"' /"3+#-"' '" . "' 2+3+-2"' . +#+'+#' 0"*' . 0 '
/ *1#02"*' 02 . - *1#01 3"*' 0' . 0 "#' 0$1+-"0"(' ,"#' . 4 $"' . ,"#$0-$+*(' +' '

' #+*,+ $"' 2"*' #+94+# . +-$"*' 94+' -"*' /"3+#-"*' ' 3 *' 2+**+ . ' +-'
$#020' *";#+' +*$+' 0**4 . ,$"(' 94+# 0' "' /"3+#-"' 94+' "*' . 0/ *$#02"*' 02'
. - *1#0$ 3"*(' *+ . ' +8'14*0"' 2"*' +*'10#+' . +-$"*' 2 3+#*"*' 94+' 0"' *+4'
01'0-'+' +*1 3+**+' . # *1#0#(' G+**+ . ' #+'0 #' 0' *40' - "# . 0'0"' -"*' *+/4 -'
$+/' ," -$"*<

A' $ $40/0"' 2"' ,#+2 "' #4#01E' +' 940-2"' *+F0' ,"** 3+1(' 0' *40' ,10-$0
I' $ 8$+-*0"' +' -0$I2#+G0' 2"' $+##+-"
7' $) 40-$ 202+' +' 9401 202+' 20' 0/40
>' $ 8,"* /0"' 94+' . 0 *' 2" . -0(' +' 0;# /"*' 94+' ,"**0' " 1+#+'+#
D' $ +-+#"' 0'$401' 2+' '41$4#0' +' *+4' #+*41$02"
6' $ 41$4#0*' ,0#0' 94+' "' $+##+-"' *+' 1+-:0' ."*1#02" ' ,#",# "(' + . '
;"#0' -0"' 0*' ,#"24G0' 0'$401#0+-$+
V' $ -*$#4#09 1"* 0/# ' "10*' 94+' ,"**4+
C' $ #"24'/0"' . +2 0(' + . ' ' -'"' 0- -"*(' 20*' '41$4#0*' 2+' . 0 *' . '
,"#$0# ' 0
W' $ 4#0+#"' 2+' $#0;01:02"#+*' + . ,#+/02"*' 24#0-$+' "' 41$. "' 0- -"
' 3 1
A?' $ ' -0*' 94+' 0G+ . ' ,0#$+' 2"' ,#+2 "
AA' $ 0,0' 202+' ,0#0' 01"F0#0+-$"' 2"*' 0,#+-2 G+*(' '" . ' 2+* /-0/0"'
2+' 940-$"*' ,"2+#2' 01"F0#

J ˢNE9ˢ J

AI ˢ Uˢ 014;# '10$1ⁿˢ 2ⁿˢ 1"'01ˢ +#0ˢ 94+ˢ +*12ˢ * $402"(ˢ +ˢ . +-'0ⁿˢ 2+ˢ 9 01ˢ 9 +#ˢ ' #' . * 0-' 0ˢ 94+ˢ ,"**0ˢ - 14 #ˢ -0*ˢ *40*ˢ '"-2 '"+*ˢ :N/ +- '0*

A7ˢ Uˢ) 401 202+*ˢ +ˢ 940-1 202+ˢ 2ⁿˢ /02"

0+* +#0-ˢ "*ˢ ,"-1"*ˢ *";#+ˢ "*ˢ 940+*ˢ 0ˢ 2 #'' 0ⁿˢ /+#01ˢ 2ⁿˢ '" . . +#ˢ ' ⁿˢ +ˢ -2 *1# 0ˢ F41/030ˢ -+++**0# ⁿˢ #+'"1:+#ˢ - "##00)"+*(ˢ 0ˢ ,#", "* 1ⁿˢ 2+ˢ #+94'# . + 1"*(ˢ ' .ˢ #-01+# 0ˢ 2+ˢ 94 -$0*ˢ 2+ˢ +-* "(ˢ ,0#0ˢ *+#3 #+#0ˢ 2+ˢ ;0*+ˢ 20ˢ ", - 0ⁿˢ 94+ˢ 1 "43+**+ˢ 2+ˢ "# . 0#ˢ 0'+#'0ˢ 2+ˢ '020ˢ 4#0ˢ 25+11+*

"3ˢ +F0ˢ 0ˢ : ˢ ˢ ˢ ˢ +8,+2 20ˢ + .ˢ Dˢ 2+ˢ F4ˢ 11 ⁿˢ 2+ˢ AC77ˢ ,+10ˢ 2 #+') ⁿˢ /+#01ˢ 2ⁿˢ '" . . +#' ⁿˢ +ˢ -24*$# 0(ˢ #+,0#$ /0ⁿˢ 2+ˢ 0/# '41$4#0

#0ˢ 0** /-020ˢ ,"#ˢ "094 .ˢ 0#':+#

ⁿˢ 2+'4#*ⁿˢ 2ⁿˢ 0--ⁿˢ 2ⁿˢ AC77ˢ $#01"4 *+ˢ+ +'1 30 . +-1+ˢ 2ⁿˢ +*$0;+1+ˢ ' . +-$ⁿˢ 2+ˢ 94 -$0*ˢ 2ⁿˢ '-* -"Eˢ 2+ˢ *"#$+ˢ 94+ˢ 1"/ⁿˢ -ⁿˢ ,# -' , ⁿˢ 2ⁿˢ 0--ⁿˢ 2+ˢ ACD>ˢ +-'"-$#0- "*ˢ +8+ - , ⁿˢ 2+ˢ '"-1#0$"*ˢ '+1+;#02"*ˢ +-$#+ˢ ⁿˢ /"3+#-ⁿˢ ˢ /+#+-$+*ˢ 2+ˢ 94 -$0*ˢ ,0#0ˢ ⁿˢ -2 '02ⁿˢ +*10;+1+' . +-$"

"*ˢ >ˢ B1+ˢ 0-+ #ⁿˢ 2+ˢ ACD>ˢ "#0#0 #+24G 20*ˢ 0ˢ $+# . ⁿˢ 0*ˢ '"-2 /"+*ˢ 2ⁿˢ '"-$#01ⁿˢ '+1+;#02ⁿˢ +-1#'ˢ ⁿˢ /"3+#-ⁿˢ +ˢ ⁿˢ /+#+-$+ˢ 20ˢ 94 -$0ˢ 20ˢ WZZˢ 1+110(ˢ ,0#0ˢ ⁿˢ +*$0;+1+' . +-$ⁿˢ 2+ˢ 4 . 0ˢ 94 -$0ˢ 2+ˢ +-* -"

ⁿˢ 94+ˢ $"'0ˢ 2*ˢ < ˢ ˢ ˢ * ˢ 8030 *+ˢ ⁿˢ -4ˢ . +#ⁿˢ 2+ˢ 014 . -"*(ˢ ⁿˢ *010# "(ˢ ⁿˢ 3+*140# "(ˢ ⁿˢ 01 . +-$"(ˢ ⁿˢ 01"F0 . +-$"(ˢ ⁿˢ $#0;011 "(ˢ ⁿˢ $#0$0 . +-$ⁿˢ -0*ˢ -"1+*$ 0*(ˢ -*$'4'/0ⁿˢ ,# . 0# 0(ˢ 02 . **0ⁿˢ +ˢ +8'14*0"

: ˢ ˢ ˢ ˢ *1 ,41030 *+ˢ ⁿˢ -4 . +#ⁿˢ 2+ˢ +*,+' +*ˢ 2+ˢ /02"*ˢ 94+ˢ 2+3 0ˢ :03+#ˢ -0ˢ 94 -$0(ˢ +#0ˢ '020ˢ 4 .ˢ 2"*ˢ 0--"*ˢ 2ⁿˢ $# +-ˢ - ⁿˢ + .ˢ 94+ˢ :03 0ˢ 2+ˢ 24#0#ˢ ⁿˢ '"-$#01"

: ˢ ˢ ˢ ˢ ˢ +* /-030 *+ˢ ⁿˢ -" . +ˢ +ˢ -4 . +#ⁿˢ 2+ˢ -*1#4 . +-1"*ˢ 0/#0# "*(ˢ $0-$ⁿˢ 2ⁿˢ ,0 G(ˢ + .ˢ 4*2ˢ -0ˢ 1"'01ˢ 202+(ˢ '" . ⁿˢ + .ˢ 01/4-*ˢ 2"*ˢ ,0 G+*ˢ +*$#0-/+ #"*Eˢ 2"*ˢ 3+; '41"*Eˢ 20*ˢ . 0ˢ ': -0*

: ˢ ˢ ˢ * ˢ *'# ,14#0/0ⁿˢ #+/410#ˢ 0ˢ 94+ˢ *+ˢ ";# /030ˢ ⁿˢ /+#+-$+ˢ 20ˢ 94 -$0Eˢ #+10$"# ⁿˢ 0--401ˢ B0--ⁿˢ 0/# '"10(ˢ 2+ˢ ˢ /4+1W0ˢ ˢ /4+1 Eˢ 3 * $0*Eˢ 1 3#"*ˢ ,#"3 *+# "*

: ˢ ˢ ˢ D ˢ ˢ ˢ 4114#0*ˢ +*,+' 0+*Eˢ #+ˢ $# ;4 /0ⁿˢ 2ⁿˢ /+#+-$+

'0W30 *+ˢ +-$+-2+-2ⁿˢ 94+ˢ ⁿˢ /"3+#-ⁿˢ ,"2+# 0ˢ #+*' -2 #ˢ ⁿˢ '"-$#0$"(ˢ ,#"'+2+-2ⁿˢ ,0#0ˢ +**+ˢ .ˢ 2*ˢ 3 * $0*ˢ +ˢ +80 . +*ˢ -+'+**0# +*(ˢ *+ˢ ⁿˢ /+#+-$+ˢ -0ⁿˢ '4 . ,# **+ˢ 0*ˢ '"-2 /"+*ˢ +*1 ,41020*

"#ˢ /401ˢ '"-$#01ⁿˢ *ⁿˢ +Gˢ '" .ˢ 0ˢ ,#",# +$0# 0ˢ 2ⁿˢ 0*01ˢ 20ˢ 0#ˢ #+ #0ˢ +ˢ 94 -$0ˢ 2ⁿˢ 0##0G(

Lˢ ˢ ˢ AV

0#0 . 0 "# +14' 20/0" 2" 0**4 . ,$" 10-'0#+ . "* 094 " 2 G+# 2+ 01 /4 . 0* '"-2 '"+*<

? * * * *+#2 -" ,# . + #" 0--" 2+ *+ *E + 2+ -"3+ ,+1" #0+-"* -"* 0--"* *+/4 -1+*

? * * * *+#2 . 0 * 30-10F"*" 2" 94+ " 94+ #+'+ ;+#0 "* '# 02"* 2+ 103"4#0 20 1"'01 202+

? /+#+- +"";# /0 *+ 0 ,#"3+- 2 * * 2+ . "2+ 94+ -" $ #"' - " 2"* $#+* 0--"* *0 ;0 . $"2"* 1+#(+*'#+3+# + '"-$0# #+ /410# . +-$+(+#0 #+10'0" 9 '10**+ 0 94" ,+#1+-'+ .

03+#0 -0 94 -$0(,+1" . +-"*("* *+/4 -1+* > AS >; " * 2+ 103#0E I ;+G+##"* ,0#0 0 /#02+E I 30''0* $4# -0* ,0#0 ' 1"E 7 "4 >; +* $0* ,0#0 " *+#3 /" 2+ '0*0E A?? 0 I?? "3+1:0*E 7 ,"#'"* B "* 2" * *+ /4 -1+* 0--"* 04/ . +-1" 2" -4 . +#" 2+ 0- . 0+*

1+ . 2"* 2" ,0 G(+ . 4*" -0 1"'01 202+(:03+#2 -" 0--" A 0#03++F0 2" "#0;0*1+E 2 10 2+ "*+< *0':02"# B,4802" ,"# ;" * "4 '03011"* E +*/#0#0 -:02"# B0-' -:" ,4802" ,"# ;" * E 2+*$+##"0 2"# 2+ ,+2#0("##02" 2+ #002' #0 '#03+F020 2" +##"E /#02+ #1 "#0;" 20 2+ 01'"4#$

. 4 . 2 ,1" . 0 " ' 01 2" 0--" 2+ AC6>(" '0#0'1+# *020 ,#+' *0 . +-$+ 0 . ,"** ; 1 202+ 2+ #+01 *0# " +*10;+1+' . +-1" 20* , >

K G+#0 . Z*+ + . 30" 01/4 . 0* $+-101 30* ,0#0 +*10;+1+'+# 0* 94 - 10* 2+ +-* -" 0/# '"10 2" ,# . + #" /#04 . 30"(* . (,"#94+ 3 +#0 . 1"/" "* #+*41$02"* ,01+-1+0# 94+ :+* 01$030 0 ;0*+ 20 *40 '"-3+- +-1+ *4*$+-$0/0"(+ . *+ ";$ 3+#0 . $+###+-+* ,#", # "*(-+ . *+ "1 +#+'+4 94+#-* *"4;+**+ +-* -0#(+ . + ;* 0 -20 94+#- 94 G+**+ 0,#+-2+#Z Q

) 8- *

"* 1+# . "* 2" FO #0+-' "-02" 2+'#+$" 2+ A6 2+ 2+G+ . ;#" 2+ AC7I(*+# 0 . '#+020* ,0#0 " +-* -" 2" *+/4-2" /#04 $#+* +*'"1 * #+/ "-0+*E 4 . 0 + . * ;"0("4$#0 + . *+4(+ 0 $+#'+ #0 + . 3"#0 &1 ?H['

03+# 0 + . '020 4 . 0 2+*$0* +*'"10* 4 . 0 , - * -0 9401 *+ +8+'410# 0 . "* ,#"'+**+* + ,#01 '0* 0/# '"10*('4F0 ,#" ' +-' 0 :"43+**+ * 2+ 0;"-020 ,"# 4 . 0 +*'10#+' 20 +8,+# +-' 0 & [EE ['

+'"##+-2" 0" . +* . " 2 ,1" . 0 " 1 ' 01 94+ 0'0;0 . "* 2+ -3"'0#(0: +-'"-$#0 . "* 0 *+/4 -$+ 0,#+' 0/0" '# $ '0<

K * +*'"10*# #+/ "-0+* -+ . 0" . +-"* ':+/0#0 . 0 #+3+*1 # 0* "#

(, * I# AC >

. -* 20ᵒ * ᵒ +8 *1+-' ᵒ . 0$+# 01ˢ -2+ˢ *+ˢ # ᵒ ,#"'-#0# .ˢ ,+**"01ˢ '"-ˢ 3"# +-$+. +- +ˢ :0; 1 102ᵐˢ ,0#ᵒ +-* -0# -0* '02+ #0*("* :+"#+. 0* 20ᵒ *' +-' 0(+ˢ -ᵐˢ '0 . ,"("* ,#"'+**"* 20ᵒ *40ᵒ 0, ,1 '0'0"X 0 * 10#2ˢ, "2+ˢ # ᵒ 0 2ᵉ '+#1ᵐˢ ,"- ᵐˢ * , ,# # *+ˢ 094'11ᵒ 2+ 1' +-' 0(-ᵒ ,0#$+ˢ 2"4$# -01Eˢ ,#+301+'+# ᵒ -0* +*'"10*(+#ᵒ 1 0# . "- ᵒ '" .ˢ ᵒ -2"1+ˢ 20* *40* 2 *, "* ˢ /2+*(ˢ +-* -ᵐˢ 11 '"# '"ᵐˢ '" .ˢ ,#+F4 Gᵐˢ 2"ˢ ,#01 '"(94+ˢ 6ᵉ -24; 103+1. +-1+ˢ ˢ . 0 * -+'+**0# " S

?ˢ +-* -ᵐˢ 2"ˢ $+#'+ #"ˢ /#0-ˢ *+# ᵒ #+'+; 2"ˢ -ᵐˢ -*$ 14$"ˢ /# '"10ᵒ 2+ˢ *;"0Eˢ *+#3 -2"ˢ +*$+ˢ 0"ˢ . +* . "ˢ $+. ,"ˢ 2+ˢ +*'"10ᵒ #+/ "-01

-1#+ˢ "* +*$0;+1+' . +-$"* '". ,"-+-$+* 2"ˢ -2 '02"ˢ -*$ 1 1"(/0ˢ #030ᵒ 4. ᵒ , ˢ - * ˢ 94+ˢ 2+3 ᵒ $+# ᵒ -+'+**0# ᵒ +81+-*0"ˢ 2+ˢ $+#R #+-+ˢ ,0#ᵒ -5+110ᵒ *+ˢ +*10;+1+'+#+. ˢ "* *N*1+. 0* 2+ˢ '4114#0('4F0ᵒ . 10'0"ˢ . +#+'+**+ˢ *+# #+'". . +-2020ˢ B *$+* 2" * +-4-' 02"* *0"ˢ ᵒ *4;*$0-' ᵒ 2"* 0#$ /"* IDSˢ +ˢ 7ISˢ 2"ˢ . +-' "-02"ˢ 2+'#+1"ˢ 2+ˢ A ˢ 2+ˢ 2+G+. ;#"ˢ 2+ˢ ACDI

0 * $0#2+(2+Gˢ 0--"* 2+," *("ˢ '#+020ᵒ 4. ᵒ , ˢ - * ˢ ˢ ˢ -0* ,#", # +202+* 2+-". -020* #0-F0ᵒ 2"ˢ 0#94+Gˢ +ˢ)4 -$0ᵒ 20* +#' * * $0* -ᵐˢ ""-'+1:"ˢ 2+ˢ -$#0Eˢ *+-2"ˢ 0, ,#"302"ˢ ,0#ᵒ +*$+ˢ + + $"ˢ ˢ '2-1#01"ˢ '+1+;#02"ˢ ,"# +*'# ,14#ᵒ ,4;1 'ᵒ +-$#+ˢ "ˢ /"3+#-ᵐˢ +ˢ ˢ . 0#94+Gˢ 2+ˢ " .;01ˢ B,#",# +10# "ˢ 20ᵒ #0-F0ᵒ +ˢ)4 -$0ˢ +#ᵒ 20$0ᵒ 2+ˢ A?ˢ 2+ˢ *+1+. ;#" 2+ˢ AC61

-$+* 2;ˢ *+ˢ +1 +'$40# +*$+ˢ '"-$#0$"($ -:ᵒ 4. ᵒ '"#0. **0"ˢ '". ,+ˢ $+-1+ˢ 0,#+*+-102"ˢ 0"ˢ /"3+#-ᵐˢ 0* *+/4 -$+* '"-'14*"+*<

K ˢ #0-F0ᵒ +ˢ ᵒ 0,020(#+4- 20* -54. ᵒ *6ˢ +*,1"#0'0"(,"2+. ˢ *0ˢ $ * 0G+# "ˢ +*$0;+1+' . +-$"ˢ 2+ˢ 4. ᵒ ,#"3+ $"*0ᵒ , ˢ ˢ ˢ * 6 ˢ ˢ 62+ˢ 0:ˢ +*$0;+$+'+# *+ˢ 4. ᵒ +*'"10ᵒ ,#0$ 'ᵒ ,0#ᵒ 0;+/"+*(. 0 "#0+* +ˢ "4$#"* ",+#0# "* 0/# '"10*(+8 *$ 42"ˢ -5094+110ᵒ ,#",# +202+ˢ /#0-2+ˢ -4. +#"ˢ 2+ˢ '"-2 /"+* ,0#ᵒ 20# 0"ˢ *+4ˢ +-* -ᵐˢ "* 2+*+-3"13 . +-ˢ $"* +ˢ 0, ,1 '0/"+* -+'+**0# +* ˢ "-*+#30-2" *+ˢ "ˢ +-* -ᵐˢ $:+"# '"ˢ 20ᵒ 0/# R '41$4#0ᵒ "#/0- *02"ˢ '"". "ˢ :"F+ˢ *+ˢ 0':0("* 014. -"* 2"ˢ -*$ 14$"ˢ 1 #0#0"ˢ ;0*$0-$+ˢ ,#"3+ $"(2+ˢ +*$0' "-0# ,"#01/4 .ˢ $+. ,"ˢ -ᵒ #0-F0("-2+ˢ $+ˢ 0"5"'0* 0"ˢ 2+ˢ 0, ,1 ;0# . 4 $"* 2"* ,# -'117 "* 94+ˢ +*1420#0. (+ˢ 2+ˢ 3+# 0* 0, ,1 '0/"+* 2+ˢ ;"0ᵒ ,0#$+ˢ 20* 2"41# -0* 94+1:+* "#0.ˢ +-* -020* Z H

0"ˢ '0;+ˢ 094ˢ 0'". ,0-:0# +*$+ˢ +*$0;+1+' . +-$"ˢ -ᵒ *40ᵒ : *1"# ᵒ 01+ˢ 0"ˢ ,#+*+-$+Eˢ *+-2" -"* *2. +-$+ˢ ,+#. $$ 2"ˢ 2+*+F0# 94+ˢ *+ˢ #+01 *+ˢ "ˢ 30ˢ $ ' - "(:ᵒ ,"4'"ˢ + $"ˢ ,"# ,+**"0ᵒ 04'1"# *020<

Ź% ˢ ˢ ˢ ˢ ˢ ˢ * ˢ ˢ $ˢ ˢ , ˢ * ˢ ˢ 5 ˢ ˢ, ˢ ˢ ˢ 3 ˢ AC6A

AV

I ˢ Ŝ +ˢ , ˢ ˢ ˢ * ˢ ,0#0ˢ "*ˢ 014 . -"*ˢ 2"ˢ -*$ $41"ˢ B #ˢ
/0- *02"*ˢ "*ˢ ,#"/#0 . . 0*ˢ ,+1"ˢ '"-*+1:"ˢ 2"ˢ -+* . "ˢ -*1 14$"
7ˢ Ŝ +ˢ , ˢ -* ˢ B -2 '0-2"ˢ "ˢ '"-*+1:"ˢ 0*ˢ ˢ ˢ
, , ˢ * ˢ -* 6 ˢ 94+ˢ 2+3+**+-ˢ *+#ˢ +-*0 02"*
>ˢ Ŝ +ˢ , ˢ - * 6
?ˢ 2+'#+1"ˢ 2+ˢ Iˢ 2+ˢ 2+G+#0;#"ˢ 2+ˢ 2C6Wˢ '#+"4ˢ +#0ˢ '020ˢ 2 *1# '1"ˢ 2ˢ
ˢ -* ˢ ˢ < ˢ 2+*$ -020*ˢ 0ˢ 0G+#ˢ +-*0 "*ˢ 2+ˢ 024ˢ
;"*(ˢ 2+ˢ . 0+; -0*(ˢ 2+ˢ ,#"'+**+*ˢ ' 114#F+*(ˢ '':-"1"/ '"*(ˢ +ˢ G""$+'1 - ˢ
'"*(ˢ 1+-2+-1+*ˢ 0ˢ0,+# + '"0#ˢ 0ˢ ,#0$ '0ˢ 0/# '"10ˢ 20*ˢ 1"'01 202+*
#+"4ˢ $0 . ;+#0ˢ .ˢ ˢ ˢ ˢ < ˢ +#0ˢ $"2"*ˢ "*ˢ
1N'+4*ˢ 2"ˢ #+ -"
(ˢ -01 . +-1+(ˢ +#0ˢ 3 #142+ˢ 2"ˢ 0#$ /"ˢ >I Sˢ 2"ˢ 2+'#+1"ˢ 2+ˢ IWˢ 2+ˢ 2+ˢ
G+ . ;#"ˢ 2+ˢ AC?>(ˢ 2 *,4-:0ˢ 94+ˢ "*ˢ 1+-1+*ˢ 2"ˢ -*1 14$"ˢ +#01ˢ 2+ˢ /# Zˢ
'411-#0ˢ *0 **+ .ˢ -0*ˢ +,"'0*ˢ 2+ˢ +# 0*ˢ ,0#0ˢ - *,+'' "-0#ˢ 0*ˢ +*10';+*ˢ +8ˢ
,+# - '-10+*(ˢ +*1420#ˢ 0*ˢ #+/ 4"*ˢ 0/# '"10*ˢ 2"ˢ ,0 G(ˢ +ˢ ˢ * ˢ
* ˢ ˢ ˢ ˢ ˢ , ˢ b"*ˢ ˢ ˢ ˢ
ˢ ˢ

0*ˢ ˢ 2+'#+1"ˢ 2"ˢ AC?Wˢ K0 -20ˢ :"F+ˢ +*1 ,"#ˢ +8+'4$0#(ˢ +0 #/+-$+ˢ
-''+** 202+ˢ 2+ˢ 4 . 0ˢ *"1 20ˢ -*1#4''0"ˢ 0/# '"10ˢ +*$2ˢ ,"#ˢ *01 * 0G+#ˢ -"*ˢ
''-1#"*ˢ . 0 *ˢ . ,"#$0-$+*ˢ 2"ˢ ,0 ˢ ˢ ˢ ˢ 0** /-010#0 . *+ˢ
,"#ˢ 01/4 . 0*ˢ '" +#'-' 0*ˢ ;# 1:0-1+*(ˢ 94+(ˢ 2+*/#0'020 . +-$+ˢ -0"ˢ e+ˢ ,#"ˢ
,0/0#0 .ˢ -0"ˢ '"-$ -40#0#0Eˢ +ˢ 0** .ˢ '"4ˢ +*10-'020ˢ 4 . 0ˢ ;"0ˢ "-1+ˢ 2+ˢ
-*1#4'' "ˢ 0/#"-"#- '0 Zˢ *ˢ ˢ -* ˢ '0#0 .ˢ *+ . ,#"(ˢ "4ˢ
940*ˢ *+ . ,#+(ˢ +ˢ +#0ˢ 1"20ˢ 0ˢ ,0#1+(ˢ -"ˢ 2" . - "ˢ 20*ˢ '"-'+,' ;+*ˢ ; *1"ˢ
'0*(ˢ *+#0ˢ #+01 *0'0"ˢ 301 "*0ˢ +ˢ *+#0ˢ +*1 -41"ˢ ;+-+ '+-$+ZH

0ˢ ˢ 2;ˢ IWˢ 2+ˢ . 0#/"ˢ 2+ˢ AC77ˢ 2 G 0ˢ 0ˢ ˢ ˢ ˢ 2ˢ
ˢ ˢ ˢ 0"ˢ /"3+#-"(ˢ 94+ˢ 0,#+' 030ˢ 2+3 20 . +-1+ˢ 0ˢ "#/0- *0/0"(ˢ
#+'+-1+ . +-1+ˢ 2+'#+$020(ˢ 2"*ˢ +*142"*ˢ -24*$# 0+*ˢ +ˢ 0/# '"10*Eˢ . 0*ˢ +-ˢ
$+-2 0ˢ 94+ˢ 2+ˢ ,"4'"ˢ "4ˢ -+-:4 .ˢ ,#"3+ $"ˢ *+# 0#0ˢ $0"ˢ 1"4303+ *ˢ +* "#/"*(ˢ
+#0ˢ 0ˢ ,#+3 0ˢ #+ "# . 0ˢ 20ˢ -$#4+/0"ˢ ,# . 0# 0
'#+*''-1030ˢ B"ˢ 94+ˢ 0Gˢ 0"ˢ -"**"ˢ ,#","* $" Eˢ K?(ˢ ˢ
ˢ , ˢ -* ˢ ˢ ˢ ˢ ˢ ˢ * ˢ ˢ ˢ
ˢ * ˢ ˢ ˢ * ˢ Q

ˢ ˢ ˢ ˢ ˢ ˢ : ˢ -0ˢ ˢ ˢG\ˢ ˢ ˢ
ˢ EFM\ˢ 2 G 0ˢ 0"ˢ /"3+#-"<

[ˢ +0ˢ -0ˢ ˢ -4 . ˢ IDI(ˢ 2+7ˢ 2+ˢ -"3+ . :#"ˢ 2+ˢ ACVC(ˢ "ˢ # ˢ ˢ
0 M1 /"Eˢ : ˢ $ˢ ˢ ˢ

,1 '0-2"' 0*' +*'"10*' 2+' -*1#4'/0"' ,# . 0# 0(2+' -20#' +*'"10*' -24*1# 0+*' 2+-1#"' +' 2 0' 2"*' 1N'+ *(2+' +* 0;+1+'+#' *"' +202+*' 0/# '"10*' ' .' 1"2"*' "*' 2 *1# '1"*(2'*1 -020*' 0' 341/0# *0# "*' '"- :+' #0+-1"*' 0/#"-" . '"*(+' ,#" . "3+#' "*' ,"** 3+ *' . +1: "#0#0+-$"*' -0' 0/# '4114#0

0#+'+' -"*' -2 *,+-*03+1' 0,"-10#' 01/4 . 0*' -"$ ' 0*' '+#'0' 20' #0-/0' '" .' #+10/0"' 0"' 0**4 . ,1"' 25+*$+' '0, $ 1"

#0/0*' 0' 4#-' $#0;01:"' ,4;1 '02"' -"' ' ' ' J +*10 . "*' ;0; 1 102"*' ,0#0' 0,#+*+-$0#(+ . ;"#0' . 4 $"' + .' #+*4 . "(01/4-*' +*'10#+' . +-$"*' 2+' 4$ 1' '4# "* 202+

0*' +*'"10*' ,# . 0# 0*('4F0' '#+0/0"' 20$0' 2"*' -*' 2"' *+'41"' 83 (,0#+'+4' '"-3+- 6-1+' -1#"24G #' "' +-* -"' 0/# '"10' 0' *+/4-20' . +102+' 2"' *+'41"' T ' ':+/"4 *+' 0$+' 0' #+2 / #' +' ,4;1 '0#' 4#-' '+#$"' -4 . +#"' 2+' '0$:+' * . "*' 2+' 0/# '4114#0(,"#' ,+#/4-10*' +' #+*,"*$ $(,0#0' 4*"' (20*' '#+0 /0*' . ' AC>?' "' 0' 0/# '4114#0' '"-,#+:+-2 20' '" . "' +*142"' 0'41' 101 3"' -"*' ,#"/#0 . . 0*' " 1 ' 0+*' 2"' +-* -"' ,# . 0# "E +' ,#+$+-2+ *+' 0/"#0' 1"#-0#' ";# /01"# 0*' -5+**0*' +*'"10*' 0*' -"/"+*' 2+' 0/# '4114#0

"3' ;*+#30 *+' 94+' "*' ,#" +**"#+*(. +*$#+*' +' 0F420-$+*' - '" ," ' 2+#0"' '-* -0#' '" .' ,#" ' +-' 0' +' ,#"3+ 1"' "*' +1+ . +-1"*' 2+' ,#"24'/0"' 3+/+$01' +' 0- . 01(+ .' 940-$"' -0*' ' *+' -0"' 2+#' 4 . 0' -' *$#4+/0"' 0/# '"10(;0*$0-1+ . +-$+' 02 0-$020

*' ' * ' "#0#0' '#+020*' ,"#' 0,"1+0"' (. 0* *2 . +-$+' *+' +*$0;+1+'+#0 .' + .' AC7A(-"' #+ -02"' 2+' 4 G : 1 , ,+' "' 4 . 0' . 10/0"' 20*' +*'"10*' '+-1#0+*' 94+' 0' "-3+-/0"' -*$ 14 #0' + .' AVWD('" . ,#+:+-2+-2;' 4#-' '4#*"(2+' 0/# '4114#0' +' "41#"' 2+' +'", " . 0' #4#01(+' 4-20-2"' -0' +*'"10' -"# . 01' *4 ,+# "#' 2+' 0# *' 4 . 0' '02+ #0' 25+*$0*' 2 *' ' ,1 -0*

+ 80-2"' 2 3+#*0*' 1+-$01 30*' 2+' '#+0#' "' +-* -"' 0/# '"10' -0*' +*'"R 10*' -"# . 0+*(N'+4*('"11+/ "*(*+ . -0# "*('4 . ,#+' -"10# 94+' +' 2+' *4#0 . 0' 2 2 '41202+' "#/0- *0#' "' +-* -"' 0/# '"10' -5094+11+*' +*10;+1+' . +-$"*(,"#' . 0-+ #0' 94+' +*$+' *+' $" . +' +8+94 3+1(+ +'1 3"(3+#202+ #0 . +-$+' ,#" '4"

020' 4 . 0' 20*' 0'41202+*' 2+' *' +-' 0*' '" . ,#+:+-2+' :"F+' + .' #0-/0' '02+ #0*2+' ,1 N* '0(2+' ': . '0(2+' ;I"$0- '0(2+' , :N* "1"/ 0' 3+/+$01(2+

[' +F0' ' % ' ' 5 ' ' % ' * ' "* ' 2 ' ' 7? ' ' ' AC>W(* ' ' ' ' ' ' + ' 2"

&Z #' ' ' ' : ' # ' ' ' ' <]

. -+#01"N 0(ʻ 2+ʻ G""1"/ 0ʻ +ʻ 0-01" - 0ʻ '" . ,0#020(ʻ 2"ʻ . 01:+ . 01 '0ʻ 'ʻ 2"ʻ . +':0- '0ʻ #0' "-01

, -0ʻ ʻ *#ʻ 0: . +# 9 +ʻ *+ʻ :+*ʻ F4-10**+ʻ - . 0ʻ '02+ #0ʻ 2+ʻ 0/# '41ʻ 14#0(ʻ "1 +#+'+-2" *+ʻ 0** .ʻ 0"*ʻ 1:"*ʻ 2"*ʻ /#0-2+*ʻ ,#",# +10# "*ʻ $+## 1"ʻ # 0+*ʻ "*ʻ . + "*ʻ '" . ."2"*ʻ 2+ʻ *+ʻ -*$#4 #+ .

) 2 @ ʻ +8,1"#0/"+*ʻ 2 # / 20*ʻ ,"#ʻ .ʻ ,#",# +10# "ʻ "-ʻ #+-2+ #"(ʻ 94+ʻ *+ʻ ,#" . ,$ 'ʻ0ʻ 0ʻ -*1#4 #(ʻ 01"F0#ʻ +ʻ 2 # / #ʻ 4 .ʻ '+#1"ʻ -4$-+#"ʻ 2+ʻ . 0-'+;"*(ʻ *4F+ 1"*ʻ 0ʻ 4 .ʻ +80 . +ʻ 2+ʻ '-$#020ʻ ?ʻ /"3'#-"ʻ 0;"-0ʻ 0"ʻ 2 R #+'$"#ʻ 4 . 0ʻ 0F420ʻ 2+ʻ '4*$"(ʻ ,0/0ʻ "*ʻ "#2+-02"*ʻ 2+ʻ 4 .ʻ +*'# ,14#0# "(ʻ 2+ʻ 4 .ʻ ':+ +ʻ 2+ʻ #0;01:"*(ʻ 2+ʻ 4 .ʻ :"#$+10"ʻ 3 3+ # *$0(ʻ +ʻ 4 . 0ʻ /#0$ 1'0'0"ʻ 0ʻ 4 .ʻ 3+$+# -0# "ʻ ,#" +**"#ʻ 2+ʻ G""$+':- '0ʻ ʻ @

ʻ 94 -$0 +*'"10*(ʻ "#/0- *020*ʻ +#0ʻ AC>Cʻ B1+ʻ 2+ʻ 7ʻ 2+ʻ " $4;#" (ʻ ':+/0#0 .ʻ 0"ʻ - 1 . +#"ʻ 2+ʻ Dlʻ + .ʻ ACDWEʻ . 0*ʻ 2+*'+#0 -ʻ 0"ʻ 2+ʻ >lʻ + .ʻ ACV6

F+*$0ʻ -*$ $4 '0"ʻ :"43+ʻ . - 1"*ʻ 0;4*+*E "#0ʻ *+ʻ +1+3030ʻ 2+ . 0* 020ʻ . +-$+ʻ "ʻ - 3+1ʻ 2"ʻ +-* -"E "#0(ʻ . 0 *ʻ #+94+-$+ . +-1+(ʻ *+ʻ 2+*'4#030ʻ "'- ʻ * -"ʻ + .ʻ ,#"3+ $"ʻ 2"ʻ $#0;01:"

ʻ +*$+ʻ #+*,+ $"ʻ . +#+'+ʻ *'#ʻ #+,#"24G 2"ʻ $+8$401 . +-$+ʻ "ʻ *+/4 -1+ʻ $#+':"(ʻ ,"#ʻ . 4 $"ʻ -*$#4'$ 3+<

K "F+ʻ ,0#+'+(ʻ +#0 .(ʻ $+# *+ʻ +*$0;+1+' 2"ʻ 4 .ʻ F4*$"ʻ +94 1 ;#"ʻ #0ʻ $0 *+ʻ '" .ʻ + +$"ʻ 2+ʻ +8+#' $0#(ʻ ,"#ʻ 4 .ʻ 102"(ʻ "*ʻ 0,#+-2 G+*ʻ -0ʻ . 0 "#,0#10ʻ 2"*ʻ $#0;011 "*ʻ ,#0$ '"*(ʻ +ʻ 2+ʻ 41 1 *0#ʻ '" .ʻ ,#"3+ $"ʻ "ʻ *+4ʻ $#0;01:"E $#0ʻ $0 *+ʻ ,"#ʻ ;4$#"ʻ 102"ʻ 2+ʻ '" . ,1+$0#ʻ 0ʻ *40ʻ -*$#4'0"ʻ ,# . 0# 0(ʻ +ʻ 2+ʻ :'*ʻ 20#ʻ 0ʻ -*$#4''0"ʻ $:+"# 'ʻ0ʻ +*,+' 01(ʻ #0ʻ 20ʻ -*$ $4 ?"(ʻ 42"ʻ -"*ʻ ,0#+'+ʻ 94+ʻ *+ʻ ,"2+ʻ ,+# + $0#0+-$+ʻ '"-' 1 0#ʻ '" .ʻ " 1"ʻ 1 "#0*ʻ 2+ʻ #0;01:"*ʻ ,#01ʻ '"*ʻ ,"# 2 0E '"-*0/#0-2"ʻ +*'# ,41"*0 .+-$+ʻ 0"*ʻ +*142"*ʻ 11 +"# '"*ʻ 4 .ʻ ,#0*"ʻ 2+$+# . -02"(ʻ ,+10ʻ . 0-:(ʻ 0ʻ $0#2+ʻ +ʻ >ʻ -" $+(ʻ 01+ .ʻ 2"*ʻ 2 0* . 04*ʻ 2"ʻ -3+#-"ʻ " .ʻ "ʻ 0'$401ʻ +ʻ '#+*'+-$+ʻ 04/ . +-$"ʻ 2"*ʻ *010# +*(ʻ "ʻ 2 #+'$"#ʻ 2+ʻ 4 . 0ʻ 94 -$0 +*'"10(ʻ *4;3+-' "-020ʻ -0*ʻ ,#","#/"+*ʻ 0' . 0ʻ -2 '020*(ʻ 0':0 *+ʻ -54 . 0ʻ * $40/0"ʻ . 0 *ʻ 03"#03+1ʻ 2"ʻ 94+ʻ "-+#"*0(ʻ *";ʻ "ʻ ,"-$"ʻ 2+ʻ 3 *$0ʻ '41$4#01ʻ +ʻ +'"-"#0 '"ʻ 0"ʻ ";*$0-$+(ʻ 0 -20ʻ +*$0 ."*ʻ ;+ .ʻ 1"-/+ʻ 2+ʻ 3+#ʻ '020ʻ 2+,0#$0 .+# $"ʻ 2"$02"ʻ '" .ʻ 4 .ʻ +*$0;+1+' . +-1"ʻ 25+*$+*(ʻ 94+ʻ $0-$"*ʻ *+#3 '+*ʻ ,"2+# 0ʻ ,#+*$0#ʻ . 0*ʻ 3+ +*ʻ +ʻ "ʻ :" . +. ʻ 94"ʻ 01$0(ʻ -0"ʻ ʻ :" . +. ʻ 2+2 '02"(ʻ . 0*ʻ "ʻ :" . +. ʻ 94+ʻ 94+ #0(ʻ 94"ʻ ,"**0ʻ +ʻ 94+ʻ *0 ;0ʻ h+ .ʻ 0ʻ $"2"*ʻ '"-3 #0ʻ -$#"24G # 0,#+-2 G+*ʻ + -ʻ '0*0(ʻ +ʻ '" . ,1 '0# 4 -0ʻ -24*$# 0(ʻ F0ʻ 2+ʻ *ʻ 2 '1(ʻ '" .ʻ 4 .ʻ +-* -"(ʻ 3 / 10-' 0ʻ +ʻ BF *' ,1 -0(ʻ ,"# 3+G+*ʻ . ,"#$ -0*

?ʻ *#ʻ 0: . +# +-$+-2+ʻ 94"ʻ "ʻ . +11 "# . ' "ʻ 2+ʻ 0$#0 # 0ʻ . "' 202+ʻ 2"*ʻ '0 . ,"*ʻ 0ʻ $0+*ʻ +*$0;+1+' . "-$"*(ʻ +ʻ "ʻ 2+ʻ $"#-0# +*$+*ʻ +*,+' 0'*ʻ 0"

&) &

'"-3+ -ˢ 0G+#ˢ 2"*ˢ #0,0G+*ˢ 4-*ˢ +-'N'1",+2 *10*Eˢ -0 *ˢ $+#+**0ˢ 0ˢ +11+*ˢ +ˢ
0ˢ -0'0"ˢ "ˢ 1"#-0#+ 4 *+ˢ 0,1"*ˢ +ˢ ,+# 1"*ˢ +#0ˢ 4 . 0ˢ +*,+' 01 202+ˢ 4$ 1ˢ ˢ
0/# '4114#0(ˢ 2 Gˢ +11+(ˢ ,#+' *0ˢ 2+ˢ 0;'/"+*(ˢ 2+ˢ ;" *ˢ 3094+ #"*ˢ ,0#0ˢ ' 10ˢ
0(ˢ +ˢ ,0#0ˢ +-/"#20Eˢ 2+ˢ 94+ F+ #"*Eˢ 2"ˢ . 0 "#0+*ˢ +ˢ ,0*1"#+*Eˢ 2+ˢ 3 -;0ˢ
1+ #"*ˢ +ˢ 2+ˢ #0+*$#+*ˢ 2+ˢ . 0110*Eˢ 2+ˢ ## /02"#+*(ˢ 2#+-02"#+*Eˢ 2+ˢ , *' ' 1ˢ
$"#+*ˢ 0 "#9-+ˢ -0"ˢ *+ˢ #010ˢ +#0ˢ '020ˢ 94 -$0 +*'"10ˢ 2+'"-*1 14 #ˢ 4 . 0"4ˢ
240*ˢ 25"*10*ˢ +*,+' 01 202+*Xˢ *ˢ 0,#'-2 G+*ˢ 94+ˢ 2+ˢ 10ˢ *0 **+ -(ˢ 01+ .ˢ
2+ˢ ,#+*10#+ .ˢ . #0+-*"*ˢ *+#3 ""*(ˢ '-+"-1#0# 0#0ˢ '" .ˢ '+#1'G0ˢ '"#0 . "2"ˢ
24#02"4#"ˢ +ˢ #+-2"*"(ˢ "ˢ 94"ˢ 0**"/4#0# 0ˢ 0ˢ '"-'"##+-20ˢ ˢ -*$ 14 /0" Q
ˢ 2+," *ˢ 0,"-$0ˢ +8+ . ,1"*ˢ 20ˢ 3+#* 202+ˢ 20*ˢ ' #'4 . *10-' 0*ˢ 2"*ˢ
2+,0#10 . +-$"*(ˢ 94+ˢ 2+ . 0-20 .ˢ 2 3+#*"ˢ /+-+#"ˢ 2+'41$4#0(ˢ +ˢ 1++ .ˢ -+'+*ˢ
* 202+*ˢ +ˢ +8 /+-' 0*ˢ ,# 301 3"*

8 ˢ ˢ ,"*#0#+* J +' . *+ˢ $"#-02"ˢ #0#"*ˢ "*ˢ ;"-*ˢ ,0*1"#+*ˢ +#0ˢ
#0-/0ˢ ?ˢ /"3+#-"ˢ F41/"4ˢ 2+3'#ˢ 0^ ,1 '0#ˢ 0ˢ *40ˢ 01$+-/0"ˢ 0ˢ +*10ˢ +*,+R
' 01 202+<ˢ 2"4ˢ +#0ˢ AC6Vˢ -"ˢ 2+,0#10 . +-$"ˢ 2+ˢ 0* 2+ 010 *ˢ 4 . 0ˢ +*ˢ
'"10ˢ 2+ˢ ,0*1"#+*(ˢ 94+ˢ +#0ˢ ACVVˢ $#0-* "# 4ˢ ,0#0ˢ 0 . ;"4 11+$(ˢ "-2+ˢ +8 *$+ˢ
4 .ˢ #+;0-:"ˢ -0' "-01ˢ '" . ,#+;+-* 3"ˢ 20ˢ 30# +202+ˢ 1 "*,0-:"10ˢ . +# R
-"*ˢ 2+ˢ 0+Gˢ +ˢ 2+ˢ 04':0 . ,

: ˢ * ˢ ˢ J ˢ *$0"ˢ -*1 14 20*ˢ + .ˢ 77ˢ
2+,0#$0 -'-1"*(ˢ +ˢ +*,'#0 *+ˢ 94"ˢ *+ˢ +*1+-20 .ˢ 0"*ˢ 2+ . 0 *ˢ *ˢ #+*‖,+'1ˢ
3"*ˢ ,#" +**"#+*ˢ *0"ˢ ";# /02"*ˢ 0ˢ 20#ˢ 4 .ˢ ' #*"ˢ 2+ˢ 0/# '4114#0ˢ +ˢ 2+ˢ 2 "#ˢ
$ '4114#0ˢ -0ˢ +*'"10ˢ -"# . 01ˢ ,# . 0# 0(ˢ +ˢ 0ˢ 0G+#ˢ '"- '#+-' 0*ˢ -"*ˢ ,# -' ˢ
,0'*ˢ '+-1#"*ˢ 0/# '"10*
"#ˢ -1+# . '2 "ˢ 25+*10ˢ -*1 14 /0"ˢ ,"2+#0ˢ '""#2+-0# *+ˢ 0--401 . +-1+ˢ
0ˢ +*101 *1 '0ˢ 20*ˢ '"11 + 10*ˢ 2 3+#*0*(ˢ 94+ˢ 0"ˢ /"3+#-"ˢ +ˢ 0"ˢ '"#0 . +#' "ˢ
. - *1#0#0ˢ /#0-2+ˢ 14GEˢ +ˢ ;+ .ˢ ,"2+#0"ˢ "*ˢ ,#" +**"#+*ˢ 2+,0#10 . +-10+*ˢ
2+ˢ 0/# ' 114#0ˢ "# . 0#ˢ 4 . 0ˢ +*101 *1 '0ˢ 0/# '"10(ˢ . 0-4 0'1"#0ˢ +ˢ 2+‖ -24*ˢ
0

8 ˢ ˢ ˢ ˢ ˢ J ˢK ˢ 0 4 **0ˢ +ˢ 0ˢ
+11+#0;+#/ˢ 94+ˢ ,0#+'+ˢ 2+3+#ˢ ,"#1+-'"#ˢ 0ˢ /1"# 0ˢ 2+ˢ $+#ˢ 0;‖+#1"ˢ 0ˢ ,# ˢ
. ' #0ˢ +*'"10ˢ 2+ˢ 0/# '4114#0(ˢ - ‖ 0--"ˢ 2"ˢ AVWW(ˢ +#-ˢ " b 1(ˢ F4-$"ˢ 0ˢ
+#-+
.ˢ AC?7ˢ ,+2 0ˢ #0-' *'"ˢ 2+ˢ +4 +:01+04ˢ 0ˢ '#+0/0"ˢ 2+ˢ #+*ˢ +*'"R
10*ˢ +*,+' 0'*ˢ 2+ˢ +-* -"ˢ 0/# '"10(ˢ 94+ˢ "**+ .ˢ 0"ˢ . +*- "ˢ $+ . ,"ˢ +*'"10*ˢ
. "2'1"*Eˢ . 0*ˢ +*1'ˢ ,+2 2"ˢ - "ˢ ;ˢ *01 * ' $"
ˢ - ' 01 30ˢ ,0#$ '410#ˢ '-1#"4ˢ + .ˢ *'+-0(ˢ "ˢ +-10"ˢ 0,,0#+'+#0#0ˢ /#0-ˢ
1'*ˢ #+* 1102 *ˢ " . ;0*1+ˢ 4-2"-ˢ 0ˢ +*'"10ˢ 2"ˢ "3 11+ˢ B +4#1;+ E 2+," *(

4-2030 . 4/ *1 +110 + "1"-'+0 0 2 # /-"- B +-0 + *+ (+ .
AC I V E ' . AC>I 3 +#0 . 0 2+ #0-2 "-0- B " #+ - +# "# ((, "# +1 +
+ 0 20 0-1*0 + B - (, "# (3 +#+
1+ 2+ "#/0- *0/0 29 +-* - 0/# '"10(2 0- - 2+ AC>C(+*10
;+1+'+4 " ' 01 . +-1+ 0 $#+ +*'"10 #+/ "-0+ 2+ # /, "-(#0-2 "40-(
+ 0-1*0 + ? /"3+#- $" . 030 2+ 0##+-20#0+-$ 0 $+##0*(+ '4*$+030
0 2+*, +G0 2 +-* - $:+"# '"
* +*'"10 #+/ "-0+ $++ . , "- . " +-* - $:+"# '"E 0 9- -$0*
+*'"10 * " , # - ' , 01 . +-$+ 2+*1 -020 -0#0 " +-* - , #01 '"

-$+#+**0('#+ . " -6*(*0;+# 0 '"-'14*0" 2+ 0#1 0: . +#(- 0#
$ /"< # 8 2+ 9-+ +(04'$"#(+ 3+ . $#024G 2 -

? , 0- 2+ +-* - 0/# '"10 94+ :+ , 0#+'+ . 0 1"/ '"(- +*$02
0'$401(+ * +/4 -$+<

8 ;
A($/#0-< -* - 0/# '"10 ";# /0$"# -0 +*'"10 , # . 0# 0 #4#0+*
I $/#04< -* - 0/# '"10 ";# /0$"# -" 1 ||'+4*('" +/ " + *+ .
-0# "*

3 8 * >
A $/#04< . 0 9- -$0 +*'"10("- +*'"10 , #0$ '0 2+ 0/# '4 4#0(2
* , 0#0 '020 2+, 0#$0 . +-$"
I $/#04<) 40$# +*'"10 2+ 0/# '-1$-#0 B-"#$+("+*$+(*4+*$+(*4
2"+*$+
7 $/#04< 8- -*$ 4 0/#"-" . ' + . -'+--+*

: (* >
. 0 '02+ #0 2+ 0/# '41$4#0 , "# 2+, 0#$0 . +-$ B'"- +#+-' 0 , -;1
'0 + +*'"10 -"# . 01
. 10;"#0$"# ': . ' , "# 2+, 0#$0 . +-$"('" . 0410 , 4;1 '0 2+
': . '0
) 40$# +*10/"+ 0/# '";10 B-"#$+('+-$#+(1+*$+ + "+*$+
40 +*$0/"+ G""$+': - '0 B 01302"*(+-0 + 0#-+
40*(+*$0/"+ 2+ , *' '41$4#0 B *+ + 0-2+*
40 +*$0/"+ 2+ 1+ $+# 0 B "4;* + "; 1 0-

+ . " *+/4 2"(+ . $"2 -"** $#0;01: "(*N*$+#00 2+ 0, "-$0#
"2" " +1' . +-$" 2+ +*$42 94+ ':+/0 . 0 -"** '"-:'' . '-$"(0

/1, 12

"' #+ -02"' 20' *+- "#0' ' 0# 0' ' "' ,#" . 41/02"' "' 2+'#+1"' '" . ' "#BF0' 2+' 1+' 2+' I ' 2"' -"3+ . ;#"' 2+' AC7A(94+' #+/41"4' 0' 02 . - *$#0'0"' 20' 0-$0' 0*0' 20' +*+# '"#2 0' 2+' *;"0E' 2"*("*, $0+*' 2'' ' "*+(2+' ' 0G0#"(+' 2+' 1:0 "11+*E' 20' 0*0' 0' 2+' *;"0< 2"' *N1"' 2+' +-2 ' 202+('" . ' $"2"*' "*' +*10;+1+' . +-1"*' 2+' "#'++# 0*' +8 *1+-1+*< *4F+ $0-2"' 142"' 0' * ,#+ . 0' 2 #+''0"' 2"' '"-*+11 "' /+#01' 2+' ;+- '+-' 0(0"' 9401' 2+4' -"30' "#/0- *0/1 "

" . ' #+ +#+-' 0' 0"' 0**4 . ,1"' +*,+' 01' 2"' ,#+*+-1+' '0, $41"(+#0' 0* ' * . ' '"-'+; 2"' "' 0#1 /"' 7S' 25+**+' 2+'#'$"<

$ *' #'',1: . +-1"*' 2"' 0-1 ** . "' 0'#0 . +-$"(20' #40' 20' "*0E' 2"' 0-$ ** . "' 0'#0 . +-$"' +' **4 . , / "(0"' 0130# "E' 2"' . ,0#"(0" # 11"E' 2"' . ,0#"(0' ' :# *$"30"E' 2+' "**0' +-1 "#0' 20' 0,0E' 2+' "**0' +' -:"#0' 2"*' -F"*(341/0#- +-$+' 2 1"' 2+' 0G0#"' + 10"E' 2+' "**0' +-$ "#0' 2"' "*0# "(,"' * $ "' 2"' +/"E' 2"' +*0//#03"' 2"' 0-$ ** . "' 0'#0 . +-$"E' 2+' "**0' + 2 "#0' 20' -'0#-0/0"' +' 0# . "E' 0' '0*0' 20' +202+' 20*' +- ' $+-1+-$+*(,0' #40' 2"' 0**02 /"E' "' 940+*94+#' "41#0*' -*1 14 /"'*' 20' . +* . 0' -0$4#+G0(90+' 0'$401 . +-$+' +*$0"("-' 3 +#+ . ' 0' '*$0#' *";' 0' $$ $+10' +' ,#" ' $+'/0"' 20' 04'$"# 202+' ,4;1 '0' + . ' *;"0< 1+#0"' 2"' . +* . "' . "2"' 4#-' ,#"3+2"#' /+#01' ,0#0' $"2"*' +11+*('" . ' 4- ' 02F4-$"(-" . +02"' ,+10' #' . 0-202+' 20' 0-$0' 0*0' 20' +*+# '"#2 0' 2+' *;"0(+' "4$#"' +*'"1; 2"' ,+1"' /"3+#-" H

"' $"2"*' +*$+*' #+'"1; . '-$"*' 20#+#0"*' 09- ' - . 0' ;#+3+' -"$ ' 0(#+ ' ,"#$0-2" -"*' 01 0*(,0#0' +3 0#' #+,'$ /"+*(0"' 94+' F0' 1 3+# . "*' 2 1"' 0' #+* ' ,+ $"' 2"*' 2" *' ,# . + #"*(+' 2"' 2+' "**0' +-:"#0' 2"*' -F"*

-$+*(,"#6 . (2+' +80#0# . "*' +**+*' #0, 2"*' 0,"-$0 . +-$"*(#+'"#' 20#+#0"*' "*' ,#"F+'$"*' 94+' + . ' AC77' +' ACV?' :"43+' *";#+' 0' '"-3+#*0"' 2"*' #+'"1: . +-$"*' + . ' 2+*$ -"' 2 @+#*"

. ' AC77' "''"##+4' "' ,+-*0 . +-$"' 2+' "# . 0#' 2"*' #+'"1: . +-$"*' 20' 0,0(#40' 20' "*0("4#0# 0' +' 0130# "(' ' ' ' ' * ' ' ' * ' * ' ' $ ' ' - ' ' ' * ' ' ' ' ' ' ' ' * D ' ' ' D

' . 0*' -0"' ':+/"4' 0' $+#' +8+'4/0"' +*$+' 2+* /- "

+F0' -"' $" . "' 3 (,0/(7 V' +' 7 C(0' ,"#$0# 0' 2+' I?' 2+' "4$4;#"' 2+' AC77

"' 0--"' 2+' ACV?' 0'42 4' 2' . +-$+' 2"' /"3+#-"' "' 013 $#"' 2+' *4F+ $0#

$"2"*' "*' #+'"1: . +-$"*' 0' 4 -0' 02#0 - *1#0/ "(' '"-*$ $4 "2"' 4#-' *6' #+'"'
: . +-1"(' 94"' *+$ 0' 2+- ". -02"< (

+# 0' ,"#' .' +*1+' -*$ 14$"' 20#' +24'0/0"' ,:N* '0(' . "#01(' -$+11+R
'$401' +' ,#" ** "-01' 0*' '#+0-/0*' 2"' *'8"' + . - -"' 20*' '10**+*' 2+*301 '
20*(' $+-2+-2"' 0' "#. 0# 3'#202+ #0*' . 0+*' 2+' 0 . 1 0*
0 . ;+ . ' 0' +*$+' ,+-*0 . +-1"' '"4;+' 0' . +* . 0' *"#1+' 94+' 02' 2+' AC7DE
-0"' ':+/"4' 0' #+01 *0# *+
+F0' ' 94+' 0' $01' #+*,+ $"' 2 **+ . "*' -"' $" . "' -(' ,0/' >?I' +' >?7

0 . "*' 0/"#0' 2+*+ . ,+-:0# "' 94+' :0' ,"4'"' ,#" . '1 + . 2*' &

'% ' ' ' ' ' ' ' '
%
' #+*,+ $"' 2‖+*$+' 0,#+*+-10 . "*' -"' $"#0"' -(' ,0/' IWI' +' *+/4 -'
$+*(' 0*' -" ' 0*' : *$"# '" 1+/ *10$ 30*' 2+*2+' "' 0--"' 2+' AVC6' 01+' 0"' 2+'
AC67
1+' +$0;+1+' . +-$"' 2+' ;+-+ '+-' 0' +' +-* -"' +*1' 0/"#0' ,#"3 *"'
0 . +-1+' '"11"'02"' + .' 4#-' +2 ' "' -"' 10#/"' 2"' "-$02"# 2#(' + .'
940-1"' ,+1"' . - *$+# "' 20*' 2;#0*' ,4;1 '0*' *+' -0"' 0G+ .' 0*' #+,0#0/2+*'
,#+' *0*' -"' ,# . $ 3+' +2 ' "' 20' #40' 20' "*0

% ' ' ' ' ' * ' ' " ' 2
' ' :
+ ;+*1+' +* 0;+1+' . +-1"' 2+' ;+-+ '+-' 0' +' +-* -"' 0,#+*+-$0 -"*' -"'
$ ' 0*' 2+*2+' AVW>' 0$+' AC67' -"' $" . "' -(' ,0/' IWI' +' *+/ -$+*E -"' $"#0"'
(,0/' ICAE' -"' $" . "' 3 (' ,0/' 6C
"-*+#30 *+' -"' . +* . "' +2 ' "' 0"' 0130# "(' +' 1+ .' "' . +* . "' 2+*R
$ -+' ;+-+ '+' 2+' +24'0/0"' +' -*$#4+/0"(' 94+' F0' 0** /-010 . "*

% ' ' " ' ' ' $ ' 341/0##0+-1*' '"-:+' 2"'
,+1"' -" . +' 2+' ' *+-' ;+-+ . +# 1"' 4-202"#
"' $" . "' (,0/' I??(' ‖+' $" . "' -(' ,0/' >?I(' '"-* 2+# . "*' +*1+' #+'
'"1: #0+-1"' '"#0"' *+-2"' 2+' . +#0' ;+-+ '+-' 0(' '" .' 940-1"' 0G0#"' + '
10"' ' 1 3+**+' 2+*$ -02"' $0 . ;+ .' ,0#0' +24'0/0"' 2+' . +- -0*' ,"#' "- *'
$0*
4 $"*' 0--"*' :03 0' 94+' -0"' *+' #+01 *030' +*10' 41$. 0' 0, ,1 '0/0"E
. 0*' +#0' 0-+ #"' 2+' ACVV' "' #+*10;+1+' 2"' "' '"11+/ "' 2+' +24'0-20*' ,"#'
' "- *$0*(' +' -*1 $4 20' 4 . 0' +*'"10' 2+' +-* -"' ,# #00# "' ,0#0' . +- -0*(' 94+'
$+#-' * 2"' . 4 $"' #+94+-1020

' #+'"1: . +-1"' 9 +' 2' 80 . "*' 0,"-102"*' *0"' 2+' ;+-+ '+-' 0' +' +-* -"(+' +*10"' *4F+ 1"*' ' ' %

41#"*' :0(,"#+ . (94+' *0"' +8'14* 30 . +-$"' 2+' ;+-+ '+-' 0(*4F+ ' $"*' 01 0*' 0 -*,+'/0"' +' 02 . - *1#0'0"' 20' -2 '020' ,#"3+2"# 0

5+*1+*' 411 . "*' 30#0"*' 20# 4 . 0' ;#+3+' -"1 ' 0

% ' ' " ' ' * ' ' ;

0$0' 2"' #+ -02"' 2+' ' "0"' (+' "' 4-202"' ,"# ,+**"0*' , +2" ' *0*' -"' '0*1+11"' 2+' ' "#/+(-"' * $ "' "-2+' ;0' :"F+' 4 . 0' #40' '" . ' 0' 2+-" ' . -0'0"' 2+' %

/-"#0 ' 0' 20$0' ,#+' *0' 20' 4-20'1 "E' *0;+ *+(,"#+ . (9 ++8 *$ 0' + . ' A >>' ' '0*0' '0 4' ,"# "''0* 0"' 2"' 0$01' 1+##+ . "$"' 2+' AV77(+' "' '0#$"# "' " ' 2+3"#02"' ,+10*' ';0 . . 0*

#0' A6A7' "#0#0' 0, ,#"302"*' "*' '" . ,+1+-1+*' +*$0141"*

+'"1:' 0$+' IA' "#, :1 *' ,";#+*(2+' AI' 01+' 7) 0- "*' 2+' +202+(,0#0' :+*' ,#"'4#0# #0+ "*' 2+' 3 20

*$+' #+'"1: . +-$"' +' *4;* 2 02"' ,+1"' /"3+#-"' '" . ' 0' 9 0-$ 0' 2+' A<???B ^???' #+ *

% ' ' " ' ' * ' ' ' :

" ' 4-202"' ,"# "/"' "1 *'(0"*' C' 2+' *+1+ . ;#"' 2+' ADWC' 010 . ' "*' *+4*' +*$0$4$"*' 2+' I6' 2+' 0-+#"' 2+' A6IV

-:0' ,"# . ' #+'"1:+# 2"G+' . +- -0*' "#,1 *' ,";#+*(0## *'020*' 0' ,'#2+#+ . *+' -"' . 4-2"E' +' ;+ . ' 0** -' +#0' 2+*1 -02"' ,0#0' #+'+;+# 01/4' . 0*' *+-:"#0*' ,"#' "- *$0*

"F+(,"# 01$0' 2+' #+-2 . +-$"*(*6' #''+;+' ,"#' "- *$0*(2+' $"20*' 0*' +202+*' +' +*$02"*(94"' 01(. 4 $"' 1"4303'1 . +-1+(,#+$+-2+ . ' 3 3+# '" . ' +'"-"#0 0' +' 2+'+-' 0

0"' $+ . ' *4;* 2 "' 2"' /"3+#-"

% ' ' " ' ' " ' ' ' 5 ' 5

' B 0*0' 2+' , '202+' 2+' ,+- $+-$+*' "4' '"-3+#1 20*

*$+' #+'"1: . +-$"' 6 * 1402"' -0' #40' 2"' 0**02 '"E' "' 4-202"' ,"# 01/4 . 0*' ,+**"0*' 114*$#+*' +' 3 #14"*0*' + . ' A7CVE' +' $+3+' 0, ,#"30' "' 2"*' *+4*' +*$0141"*' + . ' ADWI

+'"1:+' +' *4*1+-10' #0,0# /0*' 0##+,+-2 20*' 2+' *+4*' '##"*(94+' ,#+' $+-2+#0' #+ "#. 0# 01' 0' 3 20' +' '"*$4 . +*

?' ,# #0 $ 3"' +2 ' "' 25+*1+' #+'"1: . +-$"' "' $0 . ;+#0' 2+*1#4 2"' ,+1"' 1+##+ . "$"' 2+' AV77E' . 0*' :0' . 4 $"*' 0--"*' 94"' +*1 ' -"' 20' #40' 2"' 0*' *02 /"

J ˢN9Nˢ J

% ˢ ˢ " ˢ ˢ ˢ 8 ˢ ˢ : +

4 . ,#+(0-$+*ˢ 2+ˢ $42"(2+'10#0 5ˢ 94+ˢ +*$+ˢ #+'"1: . +-$"ˢ +*12ˢ :"F"ˢ #+ - 2"ˢ 0"ˢ ,#+'+2+-$+(-0ˢ #40ˢ 2"ˢ 0**02 /"

. ˢ AV?>ˢ :+ˢ 2+4ˢ ,# - ' , "(-"ˢ * 1 "ˢ 2+ˢ 1;0 " +*(4 . 0ˢ 2+3"$0ˢ . 411 +#ˢ ':0 . 020ˢ *0;+1ˢ #0-' *'0

. ˢ ACˢ 2+ˢ 0-+ #"ˢ 2+ˢ AVVAˢ "#0 . ˢ 0, ,#"302"*ˢ "*ˢ #+*,+'$ 3"*ˢ +*10 ˢ 4"*ˢ ,+1"ˢ '0#2+01ˢ ,01# 0#':0ˢ #0-' *'"ˢ

-:0ˢ ,"#ˢ . ˢ #+'+;+#ˢ 01+ˢ 77ˢ ˢ ˢ ˢ 01/4 . 0*ˢ *+9:"#0*ˢ ,"#' "- *10*(+ˢ 2+Gˢ #0+- -0*ˢ +24'0-20*

"ˢ $+ . ˢ :"F+ˢ 4 . 0ˢ ˢ +ˢ 240*ˢ ,"#' "- *10*

ˢ '0*0ˢ 94+ˢ "ˢ #+'"1: . +-$"ˢ ,"**4 0ˢ -"ˢ * 1 "ˢ 2+ˢ 1:0 "11+*(94+ˢ "0"ˢ 0,1 *10ˢ 2+ˢ 0*$#"ˢ 2 Gˢ $+#ˢ *" # 2"ˢ ,"4'"ˢ ,#+F4 G",""#ˢ + + $"ˢ 2"ˢ $+#ˢ #+ . "$"ˢ 2+ˢ AV7 (" ˢ 0, ,1 '020ˢ ,+1"ˢ /"3+#-"ˢ ,0#0ˢ :"*, $01ˢ 2+ˢ ':"1+# '"*ˢ) 40-2"ˢ '+**" ˢ 0 +, 2+ . 0(+#0ˢ 2+ˢ $"20ˢ 0 F4*1 '0ˢ 94+ˢ 0 '0*0ˢ #+3+#$'**+ˢ 0"ˢ 0-$+# "#ˢ 2+*1 -"Eˢ . 0*(+#0ˢ 3+Gˢ 25 **"('"-*+-1 4ˢ "ˢ /"3+#-"ˢ 94+ˢ "ˢ *N1"ˢ 20ˢ +-2 ' 202+ˢ *+ˢ +*1+-2+**+ˢ ,"#ˢ 094+11+ˢ 1"'01(+ˢ -5+**0ˢ ,"**+ˢ *+ˢ $+#-ˢ +*$+ˢ '"-*+#302"ˢ 5+*10ˢ *"#$+ˢ *4''+2+ˢ 94+ˢ "ˢ #+'"1: . +-$"ˢ +*$ ˢ :"F+ˢ '" . "‖94+ˢ :"*,+202"ˢ -"ˢ 20ˢ 01 3 202+ˢ 2+ˢ "**0ˢ +-:"#0ˢ +ˢ *0-$0ˢ 0# 0ˢ 0/201+-0

0"ˢ $+#-ˢ *4;* 2 "ˢ 2"ˢ /"3+#-"(+ˢ *0"ˢ 2 . -4$"*ˢ "*ˢ *+4*ˢ #+-2 -+-ˢ $"*

*$0"ˢ *4;"#2 -02"*ˢ 2ˢ 2 #+' 0"ˢ +''1+* 0*1 '0ˢ "*ˢ *+/4 4$+*ˢ #+'"1: ˢ . +-$"*<

% ˢ ˢ # ˢ J ˢ

% ˢ ˢ " 6ˢ ˢ ˢ " ˢ & ˢ '

"3ˢ "ˢ ' 10'1" 2+'#+$"ˢ 2+ˢ I6ˢ 2+ˢ -"3+ . ;#"ˢ 2+ˢ AC7Aˢ 3+ . ˢ 2+* /-02"ˢ '" -ˢ 0ˢ 2+-" . -0'0"ˢ 2+ˢ "**0ˢ +-:"#0ˢ 2"ˢ "*0# "ˢ -"ˢ * $ "ˢ 2"ˢ +/"

$$+-2" #0+ˢ 0"ˢ 94+ˢ 2 Gˢ "0"ˢ 0,1 *$0ˢ 2+ˢ 0*$#"(" ˢ +*$+ˢ #+'"1: ˢ . +-1"ˢ -*1 14 2"ˢ ,+1"*ˢ ,02#+*ˢ 20ˢ " . ,0-: 0ˢ 2+ˢ +*4*ˢ -"ˢ 0--"ˢ 2+ˢ A7C6(,0#0ˢ . 41:+#+*ˢ /"3+#-020*ˢ ,"#ˢ 4#00ˢ #+/+-$+(2 # / 20*ˢ ,+1"*ˢ . +*#0"*ˢ ,02#+*ˢ Z

?ˢ +2 ' "ˢ #F'"4‖ . 4 $"‖ 0## 4 -02"ˢ ,+1"ˢ $+##+ . "$"ˢ 2+ˢ AVD7(2+ˢ *"#$+ˢ 94+ˢ 0*ˢ ˢ "#0 . ˢ ";# /020*ˢ 0 *0 #ˢ ,0#0ˢ 0 "-$"ˢ 0-$0("-2+ˢ +*ˢ $ 3+#0 . ˢ +#0ˢ ;0##0'0*ˢ 01+ˢ ,0**0#+ . ˢ ,0#0ˢ "ˢ * $ "ˢ 2"ˢ +/"

% ˢ ˢ " ˢ ˢ ˢ * ˢ &# ˢ * ˢ * 20ˢ

ˢ ˢ 5 ** ˢ ˢ ˢ< +2 #0" ˢ ˢ)#&,#1%+(ˢ "# 0+* 0ˢ (ˢ ˢ +ˢ ;:9

" ' 2+3 2"' @ +8+ . ,10# , +202+' 2+' - "-*+- :"# #0-20"(,#+102"' 20' +/#+F0' ,01# 0#' :01(K94+' ' :'/" ' -5+11+' 0' #+'"1:+# +' *4*$+-10# '0# 10 ' 1 30 . +-1+' . 0$*' 2'' *'**+-10' . '- -0*(94"' 0-2030#0' 2 *,+#*0*(+' +8,"* ' 10*' 0"*' 2+*0##0-F"*' +' ,+# /"*' 94"' "''0* "-0#0' "' "##0 203+1' $+##' . "1" Z'

** #,' *"' +8,# . +' "' ' $02"' ' ' 2"' 0*1#"(

"# . -:0' ,0#$+(-0"' ,"**"' 2+ 80# 2+' ;+ . 2 G+# 0' . + . "# 0' 2"' 1 ' 1 *1#+' ,#+102"(94+' 2"3+' *+# 1 2"' -0' '"-$0' 2'' ;+-+ . +# 1"' 20' :4 . 0- ' 202+(,+10' +1 ' ** . 0' 1" . ;#0-'0' 2+' 0'42 # 0"' 2+*0 . ,0#"' ' . ' 94+' '0 ' 30#0' . '- -0*' 2+*301 20*(0## *'020*' 0' ,+#+'+# 2'' " . +("4' 0' *4''4 . ; # 0' ,+# /"*0*' +3+-$401 202+*

) 0-2"' 2" *' 0--"*' 2+," *(+ . ' AVDV("' '0# 0 3"' . "-*+-:"# #0- ' 20"' ,0**"4' 0"' ; *,02"' 2"' 4-':01("' *4;*$ $4 2"' ,,# . "-*+-:"# 0 . ' ,0 "(94+' 10 . ;+ . ' . +#+''' 1"43"#+*(,"# $+# '"-1 -402"' 0' +-'+$020' ";#0 ' . ' AV?7' :03 0' 0 -20' $#+G+' . + -0*' -"' #''"1; . +-1"

?' 2+#+1"' 2+' I?' 2+' -"3+ . ;#"' 2+' ACDA(94+' -"' ,# -' , "' 25+*$+' '0 ' , 141"' . +-' "-0 . "*(2 *,"G' -"' *+4' 0#$ /"' C S("' 94+' *+' *+/4+E

K "' ,#"3+2"# 20' 0-$0' 0*0(0"' +- +##0+ #"' . "#(0"*' . 0 *' ,#"3+ ' 2"#+*(0' *+4*' 02F4-$"*(+' 0"' *''#+$0# "' 2"' '"-*+11 "(*+#0' 0#; $#020' 4 . 0' /#0$ '0)0"' 2+' '+ . ' 0' *+ *' '+-$"*' . 1' #+ *(94+' *+' /#0240#0' ,0#0' '020' &4 -' 25+11+*(*+/4-2"' 0' #+*,"-*0; 1 202+' +' #0;01:"' 2"' '0#/" S

"' + . ' ACD7' " ' #+/4102"' +*$+' 0**4 . ,1"(0 -20' + . ' 3 20' 20' *+-:"#0' ' 0# 0' ' *' 0* 2 *,"* / "'*' 2"' 2+'#+1"' 2+' 7A' 2+' 0/"*$"<

KA L' *' /#01 '0/"+*' 0--40+*' +*$0;+1+' 20*' ,+1"' 0#$ /"' C S' 2"' 2+R '#+1"('" . ' "#/0' 2+' 1+ (2+' I6' 2+' -"3+ . ;#"' 2+' ACDA(0' 03"# 2+' '020' 4 . ' 2"*' ':+ +*' 2+' 02 . - *$#0/0"' 2"*' +*$0;+1+' . +-$"*' , "*' + . ' *;"0(*0"' 0#; $#020*(940-$"'(0"' ,#"3+2"# 20' 0-$0' 0*0' 20' *+# '"#2 0' 25+*$0' ' 202+(+' 0"' +- +# . + #"' . 6# 2"' "*, $01' +01' 2+' ' "*+(-0' 940-$ 0' 2+' 6?? ???' #+ *E' +' 940-$"' 0"*' ,#"3+2"#+*' 20' 0*0' 0(2"' *N1"' 20' +-2 ' 202+(' ' ' 6 ' ' -0' 940-$ 0' 2+' >C?B ???' #6 *

KI f' "*' + . ,#+/02"*' 02F4-$"*' 0"*' ':+ +*' 2+' 02 . - *$#0/0"(. +-' ' "-02"*' -"' 0#$ /"' 0-$+'+2+-$+(+' 0#; $#020' 0' *40' /#01 1'0/0"' + . ' . +' $02+' 20' 940-$ 0' 94+' *+' 0;"-0' 0"*' . +*#0"*' ':+ +*

K7 S' ?' ,0/0 . +-1"' 25+*$0*' 2+*,+G0*' *+#0' + $"' ,+1"' '" #+' 2"*' #+*,+' '$ 3"*' +*$0;+1+' . +-$"* S

*$0' 41$. 0' 2 *,"* /0"' 0**+-$030' -"' ,# -' , "' 2+' 94+' 0' 1+' 2"' "#' /0 . +-$"('"-'+2+-2"' 0' 04'1"# *0/0"' ,0#0' ,0/0# ,+1"' '" #+' 2"' +*$02"' 4- '0 . +-$+' 0*' 2+*,+G0*' '" . ' "' ,"**"01' +' . 0$+# 01' 2"' "-*+1:"' +#01' 2+' +-+ '+-' 0(# . "-('" . ' +*$0' +8'+,/0"(0' #+/#0' /+#01' 2+' 94+' "' ,0/0

. + - $ " ' 20 * 2 + * , + G 0 * ' " . ' 0 02 . - * $ # 0 / 0 " ' 2 " * ' " 4 $ # " * ' + * $ 0 ; + 1 + ' . + - $ " * ' , " * (2 + 3 + ' + + $ 40 # * + ' , + 10 * ' * 40 * ' # + * , + ' $ 30 * ' 2 " $ 0 / " + *

' ' 1 / ' ' 1 (' . ' ' / '

' # + / + - $ + ' + ' + * ' # 30 ' 2 " ' + ' " 1 : . + - $ " ' 2 + ' + * 4 * 0 # 0 ' " * + (20 ' 110 ' 2 " ' "4 # / 01 (2 * $ # ' $ " ' 2 + ' + # 0 (, + 2 # 0 . ' 1 ' + - / 0 ' , 0 # 0 ' * + ' 02 . $ 1 # + . ' 01 ' . + - - 0 * ' 0 ' + 24 ' 0 # (0 ' + 8 + . , 1 " ' 2 " ' 94 + ' "# 0 ' , + # . $ $ 2 " ' 0 " ' + * $ 0 ; + 1 + ' ' . + - $ " ' 20 ' . + * . 0 ' "# 2 + . (' + 8 * $ + - $ + ' - 0 ' ' 202 + ' 2 + ' + # 0

? ' / " 3 + # - " ' 0 $ $ + , 2 + 4 (' * + / 4 - 2 " ' " * - " ## 00 / " + * ' : 03 20 * (0 ' 94 + ' " ' # + ' ' " 1 : . + 4 $ " ' 2 " ' "4 # / 01 ' , " 2 0 ' 3 # 0 ' * + # ' 4 # - ' + 8 ' + 11 + - $ + ' * + . - 0 # " ' 2 + ' + 24 ' ' 0 / 0 , ' 2 + ' . + 0 - 0 * (' + ' ' " . " ' $ 01 ' 2 + ' * 4 . . 0 ' 30 - $ 0 / + . ' , 0 # 0 ' 0 * ' 0 . 1 0 * ' 20 * ' , " 3 " 0 / " + * ' ' # ' 4 . 3 * - : 0 * (' + ' 0 - 20 ' 20 * ' 2 * $ 0 - $ + * ' 2 ; + 11 + ' " - * 2 + # " 4 (' , " # " 4 $ # " ' 102 " (' 94 + ' " ' # + ' " 1 : . + - $ " (' , " # * + 4 ' - * 1 $ 4 $ " (' - 0 " ' $ - : 0 ' 0 ' - 0 $ 4 # + G 0 ' 2 + ' ' 0 * 0 ' # + 1 / " * 0 (. 0 * ' 4 - ' 0 . + - $ + ' 0 ' 2 + ' 3 + # 202 + # " ' 0 * N 1 " (" - 2 + ' 0 * (# + Z ' " 1 : 20 * ' - 0 " ' * + ' 0 ' : 0 . ' 1 / 020 * ' 0 ' 3 " $ " * ' 01 / 4 - * ' * " 1 + # 0 - + * (94 + ' , # " 24 G 0 # 0 ' " ; # / 0 / 0 " ' " 4 ' 3 - ' 41 " ' +8 $ + # - "

= ' 5 + * $ 0 ' ' " - " # . 202 + (' + . ' , # + * + - / 0 ' 2 " ' , 0 # + ' + # ' 2 " ' ' " - * + 1 : " ' * 4 , + R # " # ' 2 + ' - * $ # 4 ' / 0 " ' , 4 ; 1 ' 0 (2 + ' # + $ " 4 ' + . ' I ? ' 2 + ' 0 ; # 1 ' 2 + ' AC 77 ' " ' * + / 4 - $ + <

A ' S " - ' + * * 0 " ' 20 ' 1 ' + - / 0 ' # + 94 + # 20 ' , 0 # 0 ' " ' + * $ 0 ; + 1 + ' . + - $ " ' 2 + ' + 24 ' 0 / 0 " ' + ' + - * - " ' , 4 ; 1 ' " ' 2 + ' . + - - 0 * ' - " ' # + ' " 1 : . + - $ " ' 20 ' 3 110 ' 2 " ' " # ' / 01

I ' S 2 . * * 0 " ' 2 + ' * + * ' * + - : " # 0 * (: 0 ; 1 $ 020 * ' , 0 # 0 ' * + ' - ' 4 . ; # + . ' 2 ; 094 + 110 ' + 24 ' 0 / 0 " ' + ' + - * - "

7 ' S " # . 0 / 0 " ' 2 + ' + * $ 0 $ 4 $ " * ' * 4 + $ " * ' ' . " # + $ + # 3 + 1 ' 0 - - # - 30 ' 0 " ' 2 " / " 3 + # - "

> ' S + * / - 0 / 0 " ' , + 1 " ' " - * + 1 : " ' 4 , + # " # ' 2 + ' - * $ # 4 ' / 0 " ' 4 ; 1 ' 0 (20 * 2 * ' , 1 - 0 * ' 94 + ' - " ' # + ' " 1 : . + - $ " ' : 03 0 . ' 2 + ' * + # + - * - 020 *

7 S " . ; - 0 / 0 " ' 2 " ' ' " - * + 1 : " ' * 4 , + # " # ' " . ' " ' , # + 102 " ' 20 ' 2 " ' + * + ' 2 + ' " . ; # 0 (* " ; # + ' " * ' . + " * ' . 0 * ' 02 + 9402 " * ' , 0 # 0 ' $ " 5 - 0 # + 1 ' 0 G + * ' " * ' ; " - * ' + ' 1 " 4303 + * ' 2 + * + F " * ' 20 * ' # + ' " 1 : 20 * ' 2 " ' # + ' " 1 : . + - $ " ' 2 " ' "4 # / 01

% ' ' " ' ' ' ' ' '

' , " # $ 0 # 0 ' 2 + ' AW ' 2 + ' * + 1 + . ; # " ' 2 + ' AC > I ' ' " - # . " 4 ' 0 ' - " . + 0 / 0 " ' 2 + ' . + * $ # 0 ' + ' 2 # + ' $ " # 0 (94 + ' " ' / " 3 + # - 02 " # ' 3 1 ' 2 + ' #0 / 0 ' 1G + # 0 (, 0 # 0 ' " ' +R ' " 1 : . + - $ " ' 2 + ' " * * 0 ' + - : " # 0 ' 2 " ' " # $ " ' 2 + ' 3 + (#+ / 4 + G 0 ' 2 + ' ' /4 + 1 ' 2 + ' :0 2 + (' " - ' + 1 : " ' 20 ' " 3 " 0 ' 2 + ' 0 - : " * " E #+ ' 0 - 2 " ' 0 ' - " . + 0 / 0 " ' + . ' 0 # ' * 0 ' 0 - 2 20 ' 20 ' " * $ 0

3 6 &

$ (,0/ A> 0 AI?('"-*0/#0 . "* 4#- +81+-*" '0, 141" 0 +8,"* /0" 2+ -"$ ' 0* #+10$ 30* 0"*

"#0 #+10/0" 0 +*$0 +*,+' 01 202+(0,#+*+-$. "* 4 . #+* . 2" 0,"- 10#0+-$" : *$"# '" 20 '#+0/0" 20* 2 "'+*+* 2+ "#$4/01E . 0 ;#+3+ 1 * $"# 0 2" "-' 1 " 2+ #+-$"(4 . 0 *4'' -$0 -$#"24'/0" * *40* 25 *," * /;+* *";#+ " +-* -" +''1+* 0*1 '"(+ 4 . #+*4#0" 25+*$0* *";#+ 0 '#+ 0/ " 2"* *+ . -0# "* 2 "'+*0-"*

-2 '0#0"* " 94+ +G " '0#2+01 - 0-$+ + -# 94+(+ . . 0$+# 0(2+ *+ . -0# "*E + 2+," * 2+ " +#+'+# . "* 0 '"-* 2+#0/0" 2"* 1+ $"#'* "4 $#"* +1+ . +-$"* 2+ +*$42" B+-$#+ "* 940+* 0341$0 . 0* 2 *,"* /"+* . 4 1" . ,"#$0-$+* 2" 0130#0 2+ A? 2+ . 0 " 2+ AC?D ($#0/0 . "*(+#0 ;#+3+ 9402#"(0 : *$"# 0 2+ '020 4#- 2"* *+ . -0# "* 94+ :"F+ +8 *$+ . (+ 2+R . "* 01/4 . 0* -"$ ' 0* 0341*0*(2+ 4$ 1 '4# "* 202+

0" ,0**0 . "* +-10"(-" $"'0-$+ 0 2 ,1" . 0* "1 ' 0+*(01+ . 2" 0- -" 2+ ACI6 " -$+#3011" 94+ 2+'"##+ 0$+ 0" #+ -02" 20 *+-:"#0 0R # 0 -0" +-'"-$#0 . "*(+ . -"**0* -3+*1 /0/"+*(2 ,1" . 0 01/ - 94" 2+3+**+ *+# . +-' "-02"

+ -"3"(,"#+ . (" 2+*,+#$020 0 0$$+-/0" 2"* ,"2+#+* ,4;1 '"* *";#+ "* +*$42"* +''1+* 0*$ '"* -" #+ +# 2" #+ -02"E + 25094 #'*41$0## -+'+** 202+ . ,#+$+# 3+1 2+ 0;# # +*$+ '0, 141"(,0#0 #+/ *$0# " 94+ 0 $01 #+*,+ $" " ,#"3 2+-' 02" -" ,+# "2" 2+ AC7> 0 ACD7

? 2+'#+$BX 2+ AV 2+ -"3+ . ;#"(94+ "#/0- *"4 " , 0-" 2"* 1N'+4* -0' "-0+*('"-1 -:0 -" *+4 0#1 /" V? S 0* *+/4 -$+* 2 *,"* /"+*<

K . '020 4 . 2"* 1N'+4* :03+#0 1 2 94+ '" . ,#+:+-2+# 0* 2 *' ,1 -0*(94+(01+ . 2"* +*$42"* /+#0+* 2" +*$0;+1+' . +-1"(* * *

0 *10 '10**+ '"-*$0# 2+ 240* '02+ #0*E " ,#"/#0 . . 0 20* 2 *' R ,1 -0* 2+ 94+ 2+3+ . '"-*$0# *+# . . +2 010 . +-$+ #+2 / 2" ,+10 0'41 202+ 2" :+"1"/ 0(+ *+-2" 0,,#"302" ,+1" /"3+#-"(+-$#0#0 1"/" +#0 +8+'4/0" W

+," * 2+ $#0"*'#+3+# 0* 2 *,"* /"+* 94+ 2+ 80 . "* #+/ *$020*(2 **' 4 . 1+-$+ 20 0'41202+ 2+ $:+"1"/ 0(+ . $+# . "* 2+ 2+*0,,#"30/0"<

3 66 3

K "#0 *+ 0 . 0$+# 0 + 2 *' ,1 00 -2 *,+-*03+ * 0 . - *1+# ,0#"': 0 ,"2+**+- *+# +-* -020 + +8,1 '020

6

+ *+ -0 0'10 20 '"-/#+/0/0 20 0'41202+ 2+ $:+"1"/ 0 2+ A> 2 F41:"<

K ,#+*'-$" *' ,0#0 *+ '4#0,# # 4 . 0 ,"#$0# 0 2 . - *1+# 2"*-+ /"' "*2" #+ -"(-0 9401(*40 . 0/+*102+('-2" 1:+ * 2" #+,#+*+-102 ,+1 02 . - *$#02,# /+#01 2+ " . ;#0 8* * ,"# *+# 0'1401 . +-$+ 4 . +*$0;+1+' . +-$" -0 *" -4$ 1 . 0* 10#0;+ . -"' 3 + ,#+F42 ' 01(2+," * 2+ . 0-20# " 3 # '"-*+1: /'#01 2 #+'$"# 2 +-* - ,# #00# + *+'4-20# "(:"43+ ,"# ;+ . . 0-20# " 3 # '/401 . +-$+ *";#+ +*$+ ";F+'1" 0 0'41202+ 2+ $:+"1"/ 0 Q

0 0'$0 2+ IC 2 . +*#0 . +G +-'"-$#0 *+ 0 *+/4 -$+ 2+'10#0/0"<

K +4 *+ 0 '"-*41$0 #+101 30 0 *+ . -0# "(94+ 2+3+# 0 *+# 2 # / 20 ,"10 0'41202+ 0 *40 . 0/'*$02+(+ -0 9401 *+ . "*1#030 0 -''+** 202+ 2+ '"-*+#30# #+ " 5 . 02 +*$+ 10 4$ 1 +*$0;+1+' . +-$" " 0,,#"3020 ,"# 2" * 3"1"* '"-$#0 4 . H

&,+10 ,"#$0# 0 2 IA 2+ -"3+- ;#" "#2+-"4 "/"3+#-" 0 3 /0# '0, $410# 2 ; *,02 2+ " . ;#0(94+ ,#",+**+ +

0 ,"#$0# 0 2+ AC 2 2+G+ . ;#" 3+ *+(94+ " #+ $"# 2 *+ . -0# 2+ " . ;#0(,"# 2+*01 +'$" 0 /"3+#-" '"-*1 $4' "-01(G+#0 ",,"* /0 0 '4 . ,# . +-$" 20 ' $020 ,"#$0# 0 2+ IA 2+ -"3+ . ;#"

?' /"3+#-" "#2+-"4 94+ "**+ . ' '4 . ,# 20* 0* *40* "#2+-*(0 2+* ,+1 20 #4 -' 3"-$02+ 2 #+ $"#('4F ,#"'+2 . +-$"(+ . ,#+*+-/0 2+ 30# 0* - "#. 0'"+*(+ 2 #+*41102 2"* $#0;01:"* 20 '" . . **0 +-'0# #+/020 2+ $" -0# '"# $0* 094+11+ +*$0;+1+' . +-$"(-0 -*, #030 '"- 0-/0 0 /"3+#-"(. 4 $. +-"* $"#-030 . +#+'+2"-' 2+ *+ ,+#,+$40# -0 /+#+-' 0 2 *+ . -0# "

8) 9 2 < : I#) " 0+%#) "%0 " " "0))0 U* 60

8) 9

3 6 3

5+*$+ 0- -" +- '"-$#0$-"* 4 . 0 ,"#$0# 0(20$020 2+ I 2+ 0-+ #"(-0 9401 /"3+#-" -*$0 ,+10 #+ . '**0 2+ +*'10#+' #0+-$"*(94+ -"* -* 2" 0- -" 0-$+' 2+-$+ :03 0 . * 2" +8 / 2"* 0" 02 . - *$#02"# /+#01 2" 2 * $# '$" 2+ #0/0(* ; 6 , * D + ;+ . 0** - , * : 5

%

. ,"#$0# 0 2+ V 2+ . 0 " #+ . +$$+4 " /"3+#-" 0" '"-*+1:" /+#01 2 #+'$"# 2+ +-* -" ,# . 0# " + *+'4-20# " 4 . ,#"F+'$" 2+ 1+ * , 3 , D 94+(01+ . 2"* 2+ *R ;"0("#$" + " . ;#0(#00-2030 0 1+ 2+ V 2+ 0;# 1 2+ AC7C '"11"'0# + . "4$#"* ,"-$"* 2" '"-1 -+-$+ 2" #+ -"(+ ;+ . 0** #0 * , <) 4+# 0 " /"3+#-" 94+ " -2 '02" '"-*+1:" - "# . 0**+ *";#+ $"20* 0* ' #'- . *$0-' 0* 25+*$+ -+/"' "(+ *";#+ 0* '"-3+- +-' 0* 2" +-* -" ,4;1 '"(+ . #+10/0" 0 '" . . "2 202+(0 . 2+ *+#+ . '" . 4#/+-' 0 #+ . +$$ 2"* 0* '2#$+* $"2"* +**+* +*'10#+' #0+-$"* 5

'

. ,"#$0# 0 2+ IV 2+ "4$4;#" "#2+-"4 " /"3+#-"(94+ + . 940-$" *+ -0" "#/0- *0**+ 2+ - $ 30#0+-$+ " 1 '+4 \-0' "-01 20 ' 202+ 2" "#$"(* 0 , 6 2 6 * L/[2 EL 2EF\B 0G+-2" *+ + . #00 25+110* 0 1+ $4#0 2+ $:+"1"/ 0 2"/ . 0$ '0(+ -0 "4$#0 0 2+ 11 +"1"/ 0 9"#01 " ; * , " +1+ $" 2" "#$" '" . ,+$ # 0 0 ,#" ,"*$0 2+ 2" * +''1+* 0*R $ '"*(2+ #+'"-:+' 20 0,$ 20" . "#01 + 1 $$+#0# 0(,0#0 " ,#"3 . +-$" 20* -2 '020* '02+ #0*E . 0*($0-$" +*$+* ,#" +**"#+*('" . " 0* #+*,+'$ 30* '0 2+ #0*('0# 0#0 *4F+ $"* D* 01$+#0/"+* 94+ ,"*$+# "# . +-$+ :"43+**+ . 2+ 0G+# *+(- 2+ *4;*+94+-$+* #+ "##00* 1 $$+#0# 0*

"s . +*#0"s ; *, "s +#0s 0/#02+' 20(s 0s ;"0s 3"-102+s '" . s 94+s ,#" . +$ s $+#0s 0,#" . ,$0#s '0*0s ,0#0s 0s '"11"'0'0"s 20*s #+ + 20*s 0410*Es +s 2+s 0'"#2"s '" . s +11+s 2+3+# 0s "s '"-*+1:"s /+#01s 2 #+'$"#s 2+s +-* -"s ,# . 0# "s +s *+'4- s 20# "s ,#", +#s 0*s ,#"3 2+-' 0*s #+/410 . +-$0#+*(s 94+s ,"#3+-14#0s "**+ . s -+ s '+**0# 0*s ,0#0s 0s 2 #+') 0"s 02+9-020s 2"s '4#*"s 2+s +*142"*s +''1+* 0*$ '"*

"3s s ,0/ s A?Is +s A?7s $ 3+ . "*s "''0* 0"s 2+s $" . 0# -"$0s 20s ,#"3 s 2+-' 0s '"-$ 20s -5+*$0s ,"#$0# 0(s 0s ,#", "* $"s 2"s D s s s ** . s '"*$4#00 . "*s ,#"'+2+#(s ,0#0s 1 /0# +-$#+s * s "*s 2 3+#*"*s +*10;+1+' . +-$"*(s -"*s *+4*s ,"-1"*s 2"s '"4$0'$"

'

?s " ' "s 2"s 7s 2+s 2+G+ . ;#"(s 2 # / 2"s ,+1"s . - *1#"s 2"s #+ -"s 0"s 20s F4*$ '0(s . +#+'+s *+#s #+,#"24G 2"s -0s *40s -$+/#0((s ,"#94+s 20s 4 . 0s 3+#s 202' #0s 2+0s 2"s+*$02"s 20*s '" *0*(s + . s . 0$+# 0s 2+s *+ . -0# "*(s ,"#s 094+11+s $+ . ,"<

0111 flSs +s 8 pSs # J . s #+*,"*$0s 0"s " ' "s 94+s s 8 Us . +s 2 #1 s / 4s + . s AWs 2+s -"3+ . ;#"s 41$. "(s ,0#0s 11 +s *4; . - *$#0#s 0*s - "# . 0'"+*s 94"s ;"43+**+s -5+*$+s . - *$+# "(s #+10$ 30*s s -" . +0/0"s 2"s #+ 1"#s 2"s + s . -0# "s 2+s 0 . +/"(s +s s /+#+-' 0s +s *'01 *0/0"s 20*s #+-20*s 2;094+11+s +*$0;+1+' #0+-1"(s '4 . ,#+ . +s 2+'10#0#s 0s s 8 Zs 9-+s "s . - *$+# "s 2"s #+ -"(s 2+*2+s AC77s + .lf 2 0-$+(s -0"s $+ . s +-$+-2 2"s -0s 02 . - *$#0/0"s ,+* s *"01(s "-s +'"-" . 0s 2"*s *+ . -0# "*(s -+ . s ,"2 0s -/+# # *+s + . s 4 . s #04 "s 2+s *+#3 /"s 94+s *+s 0'1 030s 0s '0#/"s 20*s 04'$"# 202+*s *4;"#2 -020*s 0s *+ s '#+$0# 0s 2;+*$02"s 2"*s -+/"' "*s +''1+* 0*$ '"*(s +s 94+s -+-:4 . 0s 1+ s ,"*$+R # "# '"#0 . +$$+#0s 0s 2 3+#*+s #+,0#$ /0"

K +s 01/4-*s 4-2"*s +s #+-20*s 2"*s *+ . -0# "*s $++ . s +-$#02"s -"s $:+ s *"4#"s ,4;1 '"(s "4[,0#0 . s 0 -20s + . s . 0"*s ,0#$ '410#+*(s +s *+s 0s . ,"#$0- s ' 0s 2;094+110*s 2"$0/"+*s ,0#$ '410#+*s :0s * 2"s ,"# 940194+# . "2"s 2 *1#0 s : 20s 20s *40s ,# . $ 30s +s 1+/01s 0, ,1 '0/0"(s +s **"s 4 . s 0'$"s 94+s -0"s 2+* s $#"+s s 2 #+ "s '"-*1 $4 2"(s -+ . s + . ;0#0/0s 94+s *+s 02",$+ . s 0* . +2 20*s -+'+**0# 0*s ,0#0s "s 0G+# 301+# + . s ;+-+ ' "s 20s . "#01 202+s +s 20s -*$#4' s /0"s 2"s '1+#"(s +s 0s ;+ . s 2"s +-* -"s 20s #+1 / 0"s 2"s +*$02"(s 94+(s ,+10s -R 2"1+s +s -0$4#+G0s 20s *40s . "#01(s +s 4 . s 2"*s . + "*s + 'OG+*s 2+s *+s ,#" . "R 3+# s *"'+/"(s 0s ,#"*, +# 202+s +s 0s ' 3 1 *0/0"s 2"*s ,"3"*

4 "2"*s "*s +*'10#+' . +-1"*s +*0 *$ '"*s 94+s 0s #+*, + $"s 2"*s *+ . -0R # "*s *+s :03 0 . s '"11 / 2"s -"s . - *$+# "s 2"s #+ -"(s ,"#s + + $"s 2+s 4 . 0s ' #R '410#s +8,+2 20(s -0s 20$0s 2+s IWs 2+s *+$+ . ;#"s 2+s AC77(s 0*s 04'$"# 202+*s +''1+* 0*$ '0*s "#0 . s '"- 02"*s -"s ,# -' , "s 2"s 0--"s 2+s AC7Ws 0"s . - *

3 ˢ 3

$+# ʺˢ 0 '0#/ʺˢ 2+ˢ ˢ 8 jˢ ,"#ˢ . 0ʺˢ 20ˢ " ' 01ˢ . 0 "#ˢ /#02402ʺˢ 1"- ʺˢ +#+ #0ˢ 2"*ˢ + *

0 5+**+*ˢ ,0,+ *ˢ '" . ,#+:+-2 0 *+ˢ 0 -"$ ' 0ˢ 20ˢ 4-20'0ʺˢ 2"*ˢ *+#0 ˢ -0# "*("*ˢ +*10$41"*ˢ ,"#ˢ 94+ˢ 2 +*ˢ +#0 -ˢ #+/ 2"*(0*ˢ 2+'10#0/2+*ˢ *";#+ˢ "*ˢ +2 ' "*(4-2"*(#+-2 . +-$"*(2+*,+G0*('ˢ + . ,#+/02"*ˢ 25094'11+*ˢ +*$0;+1+' . +-$"*(ʺˢ ;+ . ˢ 0** . ˢ *";#+ˢ 0*ˢ * 0*ˢ 0410*ˢ +ˢ 01 . "*ˢ 94+ˢ 0*ˢ #+94+-1030 . Eˢ +ˢ +-$#+ˢ '*$+*ˢ +*'10#+' . '-1"*ˢ : ʺˢ 2+ˢ +-'"-1#0# *+ˢ "*ˢ 94ʺˢ +8 *$ 0 . ˢ 0 #+*,+ $ʺˢ 2ʺˢ ' . -0# ʺˢ 2+ˢ 0 . '/"

K /-+ *+ˢ ," *ˢ ˢ 8 Uˢ 2+ˢ ':0 . 0#ˢ 0 *ˢ 4-*ˢ +ˢ 24 #"*ˢ 2"'4 . + 19*(ʺˢ 2+ˢ . 0-20#ˢ +8$#0 #ˢ 252 +*ˢ ʺˢ 94+ˢ ,0#+''#ˢ '" 3+- '-$+ˢ ,0#0ˢ 114*$#0#0ʺˢ 2ʺˢ 94+ˢ ˢ 8 Mˢ ,#+$+-2+ H

ˢ; H '

?ˢ /"3+#-"(#+'"-:+'+-2ʺˢ 0 -+'+** 202+ˢ 2+ˢ ,#"3+#ˢ -0*ˢ ,#"3 -' 0*ˢ 4 $#0 . 0# -0*ˢ 0ʺˢ +*$0;+1+' . +-$ʺˢ 2+ˢ *' . -0# "*(-"*ˢ 940+*ˢ 1 "43+** . ˢ 2+ˢ #+'+;+#ˢ -*1#-'/0ʺˢ #+1 / "*0ˢ +ˢ 1 11+#0# 0ˢ "*ˢ . 0-'+;"*ˢ 94+ˢ *+ˢ 2+2 '0**+ . ˢ 0ˢ 3 20ˢ +''1+* 0*1 '0(0 #-ˢ 2+ˢ ,"2+#+ -ˢ 2+," *ˢ 2 # / #ˢ '/"3+#-0#ˢ 2 /-0ˢ - +-$+ˢ 0*ˢ ,0#"': 0*ˢ +ˢ . **"+*ˢ 20*ˢ +/#'F0*ˢ ,"#$4/4+G0*ˢ 25094'110*ˢ ,#"R 3 -' 0*(94+ˢ +*1030 . ˢ +#0ˢ 940*ˢ $"$01ˢ 0;0-2"-"('" . ˢ /#03 ** . ʺˢ ,#+F4 Gʺˢ 20ˢ #+1 / 0ʺˢ +ˢ 2ʺˢ +*$02"<

" . +"4ˢ 4 . 0ˢ '" . . **0"(+-'0##+/020ˢ 2+ˢ ,#",+#ˢ "*ˢ . + "*ˢ 94+ 1 'ˢ ,0#+'+**+#-ˢ '"-3+- +-$+*ˢ ,0#0ˢ ʺˢ +*$0;+1+' . +-$ʺˢ 2"*ˢ -2 '02"*ˢ *+ . -0ˢ # "*(;+ . ˢ '" . ʺˢ 2+ˢ 4 . ˢ -5+*$+ˢ #+ -"(-ʺˢ 9401ˢ ,"2+**+ . ˢ :0; 1 $0# *+ˢ . +*ˢ $#+*ˢ ,0#0ˢ "*ˢ 2ʺˢ 1$#0 . 0#

+F0ˢ ˢ 2+'#+$ʺˢ 2+ˢ 7?ˢ 2+ˢ 0-+ #ʺˢ 2+ˢ AC>7

' '

?ˢ 2+'#+$ʺˢ 2+ˢ I?ˢ 2+ˢ *+$+ . ;#S(94+ˢ "#/0- *"4ˢ 0 -* . ''0ʺˢ ,4;1 '0('"-$ -:0ˢ -ʺˢ *+4ˢ 0#$ /ʺˢ 77 Lˢ 0 *+/4 -$+ˢ 2 *,"* '0"<

K 0*ˢ ' 202+*("4ˢ 3 110*(+#9ˢ 94+ˢ :"43'#ˢ *+ . -0# "*ˢ ''' '* 0*1 '"*(,"2+#0ˢ ʺˢ /"3+#-ʺˢ +*$0;+1+'+#ˢ 0*ˢ 0410*ˢ 2"*ˢ 1N'"4*ˢ -"*ˢ +2 ' "*ˢ 2"*ˢ #0'*ˢ . "*ˢ *+ . -0# +* S

;+**+ . ' 01/4#00 ,#+*$0'0"' 2"' +*$02"('"-/#40 "4 #+-2 #0+-$"' +''1+* 0* '
$ '"(3+-'+# 0 . ' *2 . +-$+' 4 . 0 /#0$ '0/0"(94+' :+* *+# 0 0#; $#020 ,+1"'
#+*,+'$ 3"' ,#+102"('" . ' 04'$"# *0'0"' 2"' /"3+#-"
* ' * * ' ' ' ' * 2
* ' ' ' ' *+# 0 . *4 , ,# 2"*,+10*'0410* ,4;1 '0*(+*$0;+1+ '
' 20* -0* ' 202+* "4 3 110*("-2+' :"43+**+' *+ . -0# "*' & ' S 'M['

5 ' ' ' ' * ' ' < ' '
: ' ' ' + ' $ * ' ' ' ' '
* 6' ' ' ' < >

4*' $030 *+' 0 ";*+#30-' 0 2"' F0 ' $02"' 0130#0 2+' A?' 2+' . 0 "' 2+'
AC?7 + . ' 940-$"' 0 +11+*(' ' ' ' ' ' * ' ' 2
' *+-2"(,"#+ . (0 . **0"' *" . +-$+' 2+' 4 . ' 014 . -"' + . ' '020 0--"(
-"' 94+' #+*,+ $030 0* #0+$#","1+*(+' 2+' 4#0(2+' 2" * + . ' 2" * 0--2*(+ . '
940-$"' 0"* ; *,02"*
5+-$#+' "* 014 . -"* '" . ,#+:+-2 2"* - +*$0 . +* . 0 . ** "("* ,#+ '
102"* 2 "'+*0-"* 2+*$ -0# 0#0 * ' 2 ' ' ' ' '
01/4 . (94+' F0 $ 3+**+' '"-'14 2"' '" . ' 0, ,#"30/0"' +' 1"43"# "' '4#*"' 2"*
#+*,+'$ 3"* +*$42"* :+"1"/ '"* +' '0-"- '"* -"' #+*,+'$ 3"' *+ . -0# "(+'
94+(,+1"' . +-"*(+*$ 3+**+' '"-*$ $4 2"' -0 *0/#020 "#2+ . ' 2+' *4;2 0'"-"
-* +' "41#"* 2"* #+ +# 2"* *+ . -0# *$0* *+# 0 . ' *4*$+-$02"* + . '
" . ;#0 ,+1"* #+*,+'$ 3"* *+ . -0# "*E + . ' 940-$"' ,"#+ . ("* ;+-* 25+* '
$+* -0"' "**+ . ' *4 ' +-$'* ,0#0 +**0 2+*,+G0(#+'+;+# 0 . ' "* . +* . "*
*+ . -0# *$0* 4 . 0 ,#+*$0'0"' . +-*01 ,0/0 ,+1"' $:+*"4#"' ,4;1 '"(,#"X
,"#' "-020 0 2+*,+G0 20 *40 *4*$+-$0/0"(0 9401 -4-'0 +8'+2+# 0 0
940-$ 0 2+' A? ???' #+ * ,"# . +G

* 014 . -"*(0** . ' #00-202"* ,0#0 0 - 3+#* 202+(*+# 0 . ' ";# /0Z
2"* 0 #+* 2 # 2+-$#"' 2"' *+ . -0# "' 2"' " . ;#0(*+ . ,#+' 94+' "**+' '" . '
,0$ 3+1' '" . ' 0* '"#0 . "2 20 1+* 2"' +2 1' "' 2"' . +* . "' *+ . -0# "
0-$"' "* ,#+102"* 2 "'+*0-"*('" . "' "' /"3+#-"(+ . ,#+/0# 0 . ' $"2"*
"* . + "* 2+' 3 / 10-' 0 +' 2+' ,#+'0-/0"(94+' . 0 * '"-3+- +-$+* +* ,0 '
#+'+**+ . (0'+#'0 2"' '" . ,"#$0 . +-$"' . "#01 +' 1 $$+#0# "' 2 * -2 '02"*
014 . -"*E 2+3+-2"(*+ . ' ,+#20 2+' $+ . ,"(*+# ,# 302"* 2"' ;+-+ ' "' 20
1+' "* 94+' "**+ . ' 2+*#+/#02'* +' #+ . **"*' & ' ' 'U \ \

$+ . +* . "* *+ . -0# *$0* '030 . ' 2 *,+-*02"* 20 ,#", -0[20*
. 0$# '410* -0 - 3+#* 202+(+' *+# 0 . ' 02 . $$ 2"* 0* 0410*(+' -"' . ' 2"'
0--"' 1+'$ N"' 0"* 0'$"*($+-2"' + $"' ,#+3 0 . +-$+' "* +80#0+* ,#+,0#0$"# "*
2+$+# . -02"* ,"# 1+ ' & ' L ['

* 014 . -"* 94+' 0** . ' *+' "# . 0**+#0 -0 B0'41202,' 2+' $:+"1"/ 0(+'
-0 2+' 2 #+ $"(*+# 0 . ' + . ,#+/02"*(*+-2"' 01 0* 2 /-"*(-"' . 0/ *$+# "

2"*ʻ *+ . -0# "*(+ʻ -"*ʻ "41#"*ʻ " ' "*ʻ +ʻ '" . . **"+*ʻ . 0 *ʻ . ,"#10-$+*ʻ 20*ʻ *40*ʻ 2 "'+*+*E +ʻ ;+ . ʻ 0** .ʻ *+# 0 .ʻ 0$$+-2 2"*ʻ '" .ʻ ,#+ +#+-' 0(+ .ʻ +/401202+ʻ 2+ʻ "41#0*ʻ ' #'4 . *$0-' 0*(-"ʻ ,#"3 . +-$"ʻ 20*ʻ 2 /- 202+*('0ʻ -" '0$"*(+ʻ 2+ . 0 *ʻ ;+-+ ' "*ʻ 20*ʻ . +* . 0*ʻ 2 "'+*+*ʻ 0"ʻ ,"2+# 0 . (,"Z #+ . (*+ .ʻ F4*10ʻ '04*0(#+' *0# *+ʻ 7*ʻ '" . . **"+*ʻ 2+ʻ *+#3 /"ʻ +''1+* 0*1 '"ʻ 2+ʻ 94+ʻ "**+ .ʻ -'4 . ; 2"*ʻ ,'1"*ʻ #+*,+'$ 3"*ʻ ,#+102"*(-+ .ʻ . 420# 2"ʻ 2 "'+*+ʻ *+ .ʻ 1 '+-/0ʻ 2ʻ+*$+*(*";ʻ ,+-0ʻ 2+ʻ -0"ʻ *+#+#0ʻ 0$$+-2 2"*ʻ + .ʻ ,#+ʻ 1+-/0"ʻ 01/4 . 0(,0#0ʻ ";$+#+ .ʻ . +#'+ʻ 2+ʻ 940194+# 2 /- 202+ʻ "4ʻ ;+-+ ʻ ' "ʻ +''1+* 0*$ '"ʻ R ʻ CS

#0ʻ *4*' $020ʻ ʻ ʻ 0ʻ";*+#30-' 0ʻ 2"ʻ 94+(-0ʻ '"4 "# . 202+ʻ 2"*ʻ '0-"-+*ʻ +ʻ 20*ʻ 2 *,"* /"+*ʻ ' 3 *(+*$0ʻ 2+1+# . -02"(+ .ʻ 940-$"ʻ ʻ ,#+ +R #+-' 0(+ .ʻ +/401202+ʻ 2+ʻ "4$#0*ʻ ' #'4 . *$0-' 0*(,0#0ʻ 940+*94+# ;+-+ ʻ ' "*ʻ +ʻ + . ,#+/"*ʻ +''1+* 0*$ '"*("*ʻ '1+# /"*ʻ 2"4$"#+*ʻ "4ʻ "# . 02"*ʻ -0* 0'4 02+*ʻ 2"ʻ $:+"1"/ 0ʻ +ʻ 2 #+ $"ʻ ,+10ʻ - 3+#* 202+ʻ 2+ʻ " . ;#0ʻ B># ʻ ʻ H['

; ʻ ʻ ʻ + ʻ *< ʻ ʻ >

" . ,+$ # 0 .ʻ 0"*ʻ ,#+102"*ʻ 2 "'+*0-"*(2+;0 8"ʻ 20ʻ -*,+'/0"ʻ 2"ʻ /"R 3+#-"

ʻ +*$+*ʻ . +* . "*ʻ ,#+102"*ʻ '"-$ -40# 0ʻ 0ʻ , '#1+-'+#ʻ 0ʻ -" . +0/0"ʻ 2"*ʻ #+ $"#+*(,#+ + $"*("4ʻ 2 #+'$"#+*(+ʻ 2+ . 0 *ʻ +#0,#+/02"*ʻ -0ʻ 02 . - *$#0ʻ /0"ʻ 2"*ʻ *+ . -0# "*(+*'"1:+-2"ʻ ,0#0ʻ +**+*ʻ '0#/"*ʻ ,+**"0*ʻ 2+ʻ #+'"- :+ʻ ' 20ʻ ,#"; 202+(+ʻ 0,$ 20"ʻ +''1+* 0*$ '0(+ʻ ,#+ +# -2"(+ .ʻ +/401202+ʻ 2+ʻ [' #',#0*10-' 0*("*ʻ '"-+/"*(;+-+ ' 02"*ʻ +ʻ '1+# /"*ʻ 20ʻ 2 "'+*+(94+(-0"ʻ *+-2"ʻ ,0#"':"*ʻ '"1102"*(#+'+;+**+#0ʻ ,#+*$0/0"ʻ 2"ʻ +*$02"("4ʻ 01/4 . 0ʻ '"-/#40("4ʻ #+-2 . +-$"ʻ +''1+* 0*2'"

"20*ʻ +*$0*ʻ -" . +0/"+*ʻ ,"#+ . ('0#10 .ʻ *4F+ $0*ʻ 0ʻ 0, ,#"30/0"ʻ #+R / 0(+ʻ *+#0ʻ +110ʻ -0"ʻ ,"2+# 0 .ʻ "*ʻ -" . +02"*ʻ +-$#0# + .ʻ +8+#' ' "

?ʻ /"3+#-"("43 -2"ʻ "*ʻ ,0#''+#+*ʻ 2"*ʻ ,#+102"*ʻ 2 "'+*0-"*(+ʻ + .ʻ ,#+*+-/0ʻ 2"*ʻ 2 +#+-$+*ʻ +*$0$4$"*ʻ 2"*ʻ *+ . -0# "*ʻ +8 *$+-$+*("#2+-0# 0(940-$"ʻ 0-$+*(- .ʻ , 0-"("4ʻ #+/410 . +-$"ʻ /+#01ʻ 2+ʻ $"2"*ʻ +*$+*ʻ +*10;+1+ʻ ' . +-$"*($+-2+-$+ʻ 0ʻ ,#"3+#ʻ ʻ ;"0ʻ "#2+ .ʻ +ʻ 4$1 202+ʻ 2"*ʻ . +* . "*(+ʻ ʻ 02 . - *$#0/0"ʻ 2"*ʻ *+4*ʻ ;+-*(*+/4-2"ʻ 0*ʻ '"-3+- +-' 0*ʻ 20ʻ +,"'0ʻ 0'$401(+ʻ 0*ʻ 20ʻ 0G+-20ʻ ,4;1 '0ʻ R ʻ E/ [ʻ 1['

+ ʻ * ʻ ʻ >

4*' $" *+ʻ 0ʻ ,#" . ,$0ʻ +8+'4/0"ʻ 2"ʻ 2 *,"*$"ʻ -"ʻ 0#$ /"ʻ AI Sʻ 2"ʻ 01ʻ 30#2ʻ 2+ʻ A?ʻ 2+ʻ . 0 "ʻ 2+ʻ AC?D(,0#0ʻ "ʻ 1 .ʻ 2+ʻ ";$+# 4 . 0ʻ 2"$0/0"ʻ *4 ʻ ' +-$+ʻ ,0#0ʻ "*ʻ *+ . -0# "*("4ʻ 2+ʻ 04/ . +-$0# "*ʻ #+-2 #0+-$"*ʻ 94+ʻ FOʻ $ ʻ

+ . -0# "(0"* 940+** *+ G+**+ 01/4 . 0 2"0'0" "-
6 "4 , "# 940194+# "41#0 "# . 0(2+3+# 0#0 . ,+1#0# 0 -" '+**0# 0 1 '+-' 0 0" /"3+#-" + [ ]

8 * >
?. .=- *$+# " ,4;1 '" -$+#3 # 0 2+ 94+ ,"2+**+ #+*41$0# ";# /0#0"("4 /#03+ 20 . -" 2+ *+4* ;+-* "4 2 #+ $"*
030 *+ 0" /"3+#-" 0 0'41202+ 2+ < 2
- 94" . 0 * ,#",# "* + 0'" . . "202"* "* *+ . E -'1- -2" "* *+ . -0# "* '4F"* +2 ' "* +* 3+**+#0 0##4 -02"*("4 '0#+'+**+ . 20* 0+'" . . "20+2+* '"-3+- +#$$+*
0#0 "'"##+# 2+ ,#" . ,$" 0* * 7*" . . 0 + 94+ . ,"#$0**+ . "* "#2+-02"* 20* '02+ #0* 2+ +*$42"* +''1+* 0*1 '"*(94+ " 2+'#+$" 2+ 2+ -"3+ . ;#" 2+ AC76 . 0-20#0 +*$0;+1+'+# + . $"2"* ;* 1N'+4* 2" #+ -" & E [EU[EM['

c >
0**02"* 940$#" 0--"* 2+," * 2+ +*$0;+1+' 2" "' '4#*" 2+ +*$42"* +'+1+* 0*$ '"* +' '0-"- '"* -"* *+ . -0# "* 20* 2 "'+*+*(- -/4+ . ," 2+ # 0 "#2+-0# *+ 2+ ,#+*;N$+#"(*+ . " $+# #+94+-$02"(+ *+ . $+# * 2" 0, ,#"302" + . $"20* 0* 2 *' ,1 -+* 25+116(+4 *+ . *+# "# . 02" -0 0'41R 202+ 2+ $:+"1"/ 0("4 2+ 2 #+ $" -0 - 3+#* 202+ & EB ['

< >
#0 04'$"# *02" "/"39#-" 0 ,#"#0"3+# 0 -*$#4''0" 2"* ' 2020"* 2+*$ -02"* 0" . - *$+# " +''1+* 0*$ '" -0* +/#+F0* 2" 1$#0 . 0#(0G+- 2" "* 0,#+-2+# -" 1N'+4 2+ *;"0 + -" *+ . -03 " 2" ,0$# 0#':02" B+ . 940-$" -0* #+*,+'$ 30* ,#"3 -' 0* -0" :"43+**+ +*$+* +*$0;+1+' . +-$"* (01+#0 2+ $"20* 0* 2 *' ,1 -0* '" . . 4-* 0 $"2"* "* +'' +* 0*1 '"*(0* *' +-' 0* + 1 -/40* 94+ :+* "**+ . -2 *,+-*03+ *E + . #+10'0" 0" 1"'01 + 0" *+#3 /" 0 94+ "**+ . 2+*$ -02"*
* 014#0-"*(94+(2+," * 2+ '"-'14 2"* "* *+4* +*$42"*('" . ,1+ $0**+ . -"3+ 0--"* 2+ *+#3 /" -0* +/#+F0* 20 * 0("4 # '0("4 -0* . **"+*($+# 0 . 2 #+ $" 0 *+# ,#"3 2+* -"* '0-"- '0$"* 94+ 30/0**+ . -" '"-$ -+-$+(+ -0* 1:0* 02F0'+-$+*(0,#+*+-$0-2" 0$$+*$02"* 2+ ;"-* '"*R $4 . +*(,0**02"* ,+1"* #+*,+'1 3"* ,#+102"*E 20-2" " /"3+#-" '"-$0 0* ' #$+*(-" '"#0+/" 2" '020 '/ *10$4#0(2" 4*" 94" $ 3+**+ + 1" 20 '"- '+2 20 04'$"# *0/0" & EL ['

"# . 01 . +-1+ +#0 2+'10#02" 94+ 0* 2 *, "* /"+* 2" 0#$ /" 6 S 20 1+ (
1 -1 0 . 0, ,1 '0/0" 0"* 014 . -"* "#2+-02"* -0 . +1#", "1+(+-"* ; *, 02"*
20*, #"3 -' 0* 411#0 . 0# -0* & D EF['

"3 ?0#1 /" 6 S #+ +# 0 *"('" . "F0 0, "-10 . "*(0 . **0" 2"* 014 . R
-"* "#2 -0-2"* 2"* *+ . -0# "* 20* . +1#", "1+*(2"* ; *, 02"*(,0#0 0
- 3+#* 202+ 2+ " . ;#0(0 . 2+ *+/4 #+ . -+110 4 . '4#*" '" . ,1+ "
2+ $: ', 1"/ 0(

'

'0#10 2' 1+ 2+ A6 2+ F4-: " 04'$"# *"4 " /"3+#-" 0 ,#"'+2+#(
'" . ' '"-'4#*" 20 04'$" 202+ '''1+* 0*1 '0(- ** '
' ' < ' -"* $+# . "* 2+' 0#02"* + . ' *40*
2 *, "* /"+* (

5+*10 1+ '0;+ -"* ' $0# 0, +-0* "* 0#$ /"* 94+ 2 G' . ' #+*, + 1" 0"*
*+ . -0# "*E +* *0" "* *+/4 -1+*<

#$ VS +#0" 0, ,1 '02"* * 2
+(+#0 /+#01(,0#0 0 *4*1+ 10/0" 2" '1+#"("* ;+-* +# '-2
. +-1"*<

1 S 0* '"11+/ 020* + @$ -'$0*

IZS 0* '"11+/ 020* *4, ,# . 20*

7 S "* ;+-+ ' "* 30/"*("4 94" 2+ 4$4#" 30/0**+ . (01+ . ' 2" -4
. +#" 94+ "# +*10;+1+' 2" ,0#0 '020 4 . 0 20* '"11+/ 020* '"-*'#3020*

> S "* ;+-+1 ' "* * . ,1+* B0 94+ -0" +*10" 0--+ 80* ";# /0/"+*
'"#0+*("4 2+ #+* 2+-' 0 94+ +*1 3+#' . ' 30/"*("4 2' 4$4#" 30/0#+ .
#$ CS '0 . ' +8'+, $402"* 20 0, ,1 '0/0" 2+$+# . -020 -" 0#$ /"
0-$+'+2+-$+<

A S , 0#$+ 2"* ;+-* +# #+-2 #0+-$"* 20* '"11+/ 020* +8 *1+-$+*("4
4, ,# . 20(94+ ,+10 *40 -*$ $41/0"("4 ,"# "41#" $ $41"(*+ . "*1#0#
'/ $. 0 +, '#, +$40#0'-1+ 0, ,1 '020 ,0#0 '"-/#40 2"* ,0#"': "*("4 2+
"4 '"02F4$"#+*("4 ,0#0 0;# '0 20* +/#+F0* ,0#"': 0+*

I S *, "#/"+* ;+-+ ' 0# 0* 2"* ;+-" '102"* '"1102"* +8 *1+-$+*
7 S *, "#/"+* ;+-+ ' 0# 0* 3 -'41020* + . ' ,01# . "- "
#$ WS +**0 . ' 0* +8'+, /"+* 2" -4 . ZI S +' 7S 2" 0#$ /" 0-$+R
'+2+-$+'<

A S "# 011+' . +-$" 2"* 0'$40+* ;+-+ ' 02"*("4 '1+# /"* ,0$# . "
- 02"*

I S "# '"110/0" + . ' '/401("4 . +1: "# ;+-+ ' "

7 S) 40-2" "* . +* . "* #+'4*+ . ' *+ . ' '04*0 1+/ $. 0 "* ;+-+ ' "*(

J N89ˢ J

' %

?ˢ 2+'#+$"ˢ 2+ˢ IVˢ 2"ˢ 2+G+ . ;#"ˢ +*$0;+1+'+4ˢ #+/#0*ˢ +ˢ ,# -' , "*(,+ ˢ 1"*ˢ 940+*ˢ 2+3 0ˢ *+-ˢ #+/41020ˢ 0ˢ -$+ #0ˢ +8+'4'0"ˢ 20ˢ '0#$0ˢ 2+ˢ 1+ ˢ 2+ˢ ˢ 2+ˢ F4-:"ˢ 2+ˢ AC>C(ˢ 2Kˢ < ˢ ," *ˢ 94+ˢ 0ˢ +8,+# +- ˢ ' 0(2 G 0ˢ "ˢ /"3+#""(-:0ˢ . "*1#02"ˢ *+#+ .ˢ -*4 ' +-$+*ˢ 0*ˢ 2 3+#*0*ˢ ,#"3 2+-' 0*ˢ +ˢ -*1#4''"+*ˢ 01]ˢ +-$0"ˢ +8,+2 20*ˢ ,0#0ˢ "ˢ . +* . "ˢ .

"ˢ 94+ˢ $"'0ˢ 0ˢ +*$0ˢ +*,+' 01 202+ J *+ . $b0-"*ˢ J "ˢ 2+'#+1"ˢ #+/4 ˢ 10 . +-$0#ˢ . 0-1 -:0ˢ "*ˢ *+/4 -1+*ˢ ,# -' , "*ˢ 20ˢ 1+ (#+/4102"*ˢ -5+*$+*ˢ $+#ˢ . "*ˢ *4;*$0-' 0+*<

#0940-1"ˢ 0*ˢ '" +/ 020*ˢ 94"ˢ +*1030 .ˢ -"ˢ '0*"ˢ 2+ˢ *4;* *1 #(2+3 0ˢ $"20ˢ 0ˢ *" . . 0ˢ 94+ˢ *";+F0**+ˢ 2"*ˢ +-'0#/"*ˢ 1+/ $ #0"*(*+#ˢ 0,,1 '020ˢ >ˢ . 0ˢ -41+-'0"ˢ 2"*ˢ 0+ . -0# "*ˢ 20*ˢ #+*,+'1 30*ˢ 2 "'+*+*('" . "ˢ #+2 1"*ˢ 2+ˢ ;+ ˢ -+ ' "*ˢ 30/"*

. 940-1"ˢ 0*ˢ . +* -0*ˢ 8"11+/ 020*(-0ˢ 9401 202+ˢ 2+ˢ , 2ˢ 0ˢ ,0#$+ˢ 0,,1 '020ˢ ,0#0ˢ "ˢ *+ . -0# "ˢ 20ˢ 2 "'+*+ˢ #+*,+'$ 30ˢ *+# 0ˢ ,0/0ˢ + .ˢ '020ˢ 0--"(-"*ˢ ,#0 " ˢ '"*14#002"*(>ˢ ,+**"0ˢ 1+/ 1 . 0 . +-1+ˢ 0 '$"# *020ˢ ,0#0ˢ "ˢ *+4ˢ #+2+; " +-$"(+ .ˢ /+-+#"*ˢ "4ˢ + .ˢ 2 -:+ #"(*+/4-2"ˢ 0*ˢ ,0#$+*ˢ -$+#+**020*ˢ '"-'"#20**+#0ˢ +-1#+ˢ *

+[ˢ 01/4 . 0ˢ 20*ˢ '" +/ 020*(94+ˢ :"43+**+ˢ $0 . ;+ .ˢ 2+ˢ *+#ˢ '"-*+#ˢ 3020($ 3+**+ˢ 4#-ˢ -4 . +#0ˢ 2+ˢ ;+-+ ' 02"*ˢ *4,+# "#ˢ 0"ˢ . 08 . "ˢ 1+/01(*+ .ˢ '" . $42"ˢ ,"**4 #ˢ #+-2 . +-$"*ˢ '+#$"*ˢ +ˢ *411 ' +-$+*(,#"'+2+# *+ : 0ˢ -"*ˢ $+# . "*ˢ 20ˢ 1+ (2ˢ '"-3+- +-1+ˢ #+24''0"Eˢ 0,,1 '0-2" *+ˢ 2+*2+ˢ 1"/"ˢ ,0#0ˢ "ˢ *+ . -0# "ˢ #+*,+'$ 3+ˢ "ˢ #+-21 . +-$"(#+*$0-$+ˢ 20*ˢ 94"$0*ˢ 1+/0+*('"##+*,"-2+-$+*ˢ 0ˢ $"2"*ˢ "*ˢ ;+-+)' "*(94+ˢ +8 *$ **+#0ˢ 1+/01 . +-$"ˢ ,#"R 3 2+*(-'"#,"#0-2" *"ˢ 2+," *ˢ *4''+** 30 . +-$+ˢ -"*ˢ ;+-*ˢ 2"ˢ . +* . "ˢ *+R . -0# "ˢ "*ˢ #+2 $"*ˢ 2"*ˢ ;+-+ ' "*(94+ˢ "**+ .ˢ 30/0-2"(01+ .ˢ 2"ˢ 940ˢ 2#"ˢ 20ˢ -"30ˢ "#/0- *0/ "

0ˢ . +*#-0ˢ :N,"$:+*+(. 0*ˢ '" .ˢ 0ˢ 2 +#+-/0ˢ 2+ˢ $+#ˢ 0ˢ '"11+/ 020ˢ ;+-*ˢ *411 ' +-$+*ˢ ,0#0ˢ . 0-1+#ˢ "*ˢ ;+-+ ' 02"*ˢ +8 *$+-$+*(+ˢ 0 -20ˢ $"2"*ˢ "*ˢ 2"ˢ 0-$ /"ˢ 9402#" 0,,1 '0# *+ 0 .ˢ ,0#0ˢ "ˢ + . -0# "ˢ #+*,+'$ 3+ˢ "*ˢ #+2 R $"*ˢ 2+ˢ $"2"*ˢ "*ˢ ;+-+ ' "*ˢ 30/"*(+ˢ 2"*ˢ 94+ˢ 2+ˢ 4$4#"ˢ 30/0**' .ˢ ,"#ˢ "; $"(,#" . "'0"ˢ "4ˢ 2+* *$+-' 0ˢ 2"*ˢ 0'$40+*ˢ ;+-+ ' 02"*(01+ .ˢ 2"ˢ -4 . +#"ˢ 94+ˢ "**+ˢ +*$0;+1+' 2"ˢ -0ˢ -"30ˢ "#/0- *0)0"

.ˢ $"2"*ˢ "*ˢ '0*"*ˢ 2+ˢ -) ˢ "4ˢ ** ˢ 2+ˢ '" +/ 020*(*+ ˢ # 0 .ˢ +-$#+/4+*ˢ 0"ˢ "#2 -0# "ˢ 20ˢ 2 "'+*+ˢ #+*,+'$ 30("4ˢ >ˢ ,+**"0ˢ ,"#ˢ +11+ˢ 04'$"# *020($"2"*ˢ "*ˢ $ $41"*ˢ +ˢ . 0 *ˢ 2"'4 . +-$"*ˢ 20*ˢ '" +/ 020*ˢ 94"ˢ "**+ .ˢ +8$ -'$0*ˢ "4ˢ * ,,# . 20*Eˢ 0ˢ .ˢ 2+ˢ *+#+ .ˢ /40#202"*ˢ -"ˢ '0#1"# "

2"ˢ *+ . -0# "(Ø 94+ˢ '0**+ . ˢ ,+#$+-"+-2"ˢ "* ;+-* #+*,"'1 3"* 0* . +* ˢ
. 0* '"11+/ 020*
* 94"$0* ,"#+ . (94+ˢ -‖'*1'* '0*"* 2+3+**+ . ˢ '"-1 40# B*+/4-2"ˢ
Ø 1+ ˢ Ø 2+24G # *+ˢ 2"* ;+-* 20* '"11+/ 020*(*+# 0 . ˢ ,0/0* ,"1"ˢ *+ . ˢ
"ˢ Ø 94+#-ˢ '0**+ˢ ,'#$+-'+-2"ˢ Ø 02 . - *1#0'0"ˢ /+#01 2"* . +* . "* ;+-*

,#"3+ $0 . "*‖+*$0ˢ "'0* 0"ˢ ,0#0 0** /-010# 094ˢ "* '0#0'1+#+* 94"ˢ
'"-*$ $4 0 . ˢ ,#",-‖0 . +-1+ˢ Ø ˢ+ˢ 0* + '"+* +*,+' 0+* 94+ˢ Ø 2 * ˢ
1 -/4 0 . ˢ 20* +/#+F0* 2+ˢ "4$#0 "#2+- <
&K "-:+'+ *+ˢ +ˢ ,#"30 *+ˢ 94+ˢ , , ˢ $ ˢ B ˢ 1 U ,+1"ˢ
1+/ $. "ˢ 2 ,1" . 0("4ˢ 04$;+-1 # "ˢ -*1#4 . +-$"ˢ 2"ˢ *40 +#+''0,ˢ +ˢ -*$ 14 ˢ
)0"('"- "ˢ $01E J I U ,+10 2+-" . -0/0"(#',410,0"ˢ /+#01(+ˢ,"**+ˢ . . +R
. "# 01 2+ˢ $01 9401 202+E J ˢ7 ˣ ,+10 '"-*$0-$+ˢ *+# +ˢ 2+ˢ '"110 E4+* 2+ˢ ;+ˢ
-+ ' 02"* #'*,+'1 3"*('" . "ˢ #0+ . ;#"* 2+ˢ 4 . Ø '"11+/ 020E J ,+1"ˢ 4*"ˢ
+ˢ '"*$4 . +ˢ '"-*$0-$+ˢ 2+ˢ 02 . - *$#0'0"ˢ '"11+/ 01 20* #+-20* 20 +/#+F0(+ˢ
2+ˢ *40 #+,#+*+-$0' 0"ˢ ,/# ;+-+ ' 02"* '"1102"*(2+ˢ '"#"('0; 2"(+ˢ *+11"ˢ
20 '"11+/ 020< J ˢD L,+10* +-4-' 01 30* '"-*10-1+* 20 9401 202+ˢ 2+ˢ +/#+FO
'"11+/ 020(94+ˢ *+ˢ 0+;0 . ˢ -"* 2 ,1" . 0* 04$;+-1 +"* +ˢ " ' 0"*(0** . ˢ 20
#+*,+'$ 30 +/#+FO '" . "ˢ 2"* *+4* ,#+102"*(3 * $02"#+ ("4ˢ ,0#"'1 "*
K 0"ˢ *0"ˢ +/#+F0* '"11+/ 020* 094+110* + . ˢ 94+ˢ :Ø '0,+110*(0 -20
94+ˢ -*$ $4 20* + . ˢ ;+-* 3 -'4102"*(+ˢ *4F+ 10* 0"ˢ +-'0#/"ˢ ,+#,+$4"ˢ 2+ˢ
*"#+ . ˢ +**0* '0,+110* *+#3 20* ,"# '0,' 10+* 94+ˢ #+G+ . ˢ + . ˢ '"#"(+ˢ *0 ˢ
1 * 0'0 . ˢ Ø +-'0#/"* , "* 2+ˢ 4#-ˢ . "2"ˢ *+ . +1:0-1+ˢ 0"ˢ 20* '"11+/ 020* S

ˢ '0#$0 #+/ 0 2+ˢ >ˢ 2+ˢ . 0#/"(2 # / 20 0"ˢ 0#'+; *,"ˢ 2+ˢ 3"#0(2+4ˢ
‖-"30 "#/0- *0/0"(-"* $+# . "* 20 1+ˢ 2+ˢ A? 2+ˢ F4-:"ˢ 2+ˢ AC>C(ˢ ˢ
ˢ 6 ˢ ˢ ˢ 3 * ˢ ˢ ˢ ˢ : ˢ +ˢ . 0-2"4ˢ 94+ˢ 20
. 0**0 /+#01 2"* ;+-* 20 . +* . 0 "**+ . ˢ 1"/"ˢ 2+24G 2"*(' . ˢ '020 4#-ˢ
0--"(# -10 . " "* 2+ˢ ,0"(*+-2"ˢ A7 2"ˢ . ;"ˢ /#"**"(+ˢ A7 2+ˢ $# /"(
,0#0 *+#+ . ˢ 0, ,1 '02"* 0 . 0 . $+-/0 ˢ 2"ˢ *+ . -0# "ˢ 2 "'+*0-"ˢ 2"ˢ 0#'+ˢ
; *,02"ˢ 2+ˢ 3"#0(#+01 *0-2" *+ˢ Ø +-$#+/0 25+*$+* '+#'0+*(-0* ","'0*
2"ˢ #+-2 #0+-$"ˢ '"*14 . 02"(Ø ,+**"0 04'$"# *020 ,+1"ˢ ,#+102"ˢ 20 2 "R
'+*+ˢ
"2+-2"ˢ *4''+2+# 94+ˢ "**+ˢ #00 * '"-3+- +-$+ˢ 0"* -$+#+**+* 2"

0ˢ ˢ ˢ ˢ * ˢ ˢ ˢ " ˢ 79ˢ ,# &#, 1 B ˢ "#
AC>C

J N8:ˢ J

*+#0 -0# "(+ˢ 01+ˢ 0"*ˢ 20ˢ '"11+/ 020("ˢ ,0/0 . +0$"ˢ 0ˢ 2 - : + #"(0** . ˢ *+ˢ
,"2+# 0ˢ '"-'"#20#ˢ +-$#+ˢ "ˢ ,#+102"ˢ +ˢ 0ˢ '"11+/ 020Eˢ '" . ˢ $0"$"(,"#6 . (
94+ˢ 0ˢ *" . . 0ˢ 1 8020ˢ + . ˢ #6 *ˢ -0"ˢ "**+ˢ " +# "#ˢ 0ˢ >?? ???ˢ + . ˢ '020ˢ 0" (
,0/+*ˢ -"ˢ ,#0*"("4ˢ ,#0*"*ˢ 94+ˢ *+ˢ '"-3+-' 9-0**+

ˢ ,#","#/0"ˢ 94+ˢ "**+ . ˢ 30/0-2"ˢ "*ˢ ;+-+ ' "*(94+ˢ 0 -20ˢ *4;* * ˢ
$ 0 . ˢ 01+ . ˢ 2"ˢ -4 . +#"ˢ 802"ˢ -0ˢ -"30ˢ "#/0- *0'0"(0'#+*'+# 0ˢ + . ˢ ;+-+ ˢ
' "ˢ 2"ˢ *+ . -0# "ˢ +;"#+-*+ˢ 4 . 0ˢ 94"$0(94+ˢ 0"ˢ ,#+102"ˢ 20ˢ 2 "'+*"Fˢ
2+ˢ -1+11 /+-' 0ˢ '" . ˢ 0ˢ '"11+/ 020(,0#+'+**+ˢ #0*"03+1Eˢ -0"ˢ *+-2"(,"# . (
. +-"#ˢ 2"ˢ 94+ˢ 0ˢ . +102+ˢ 2"*ˢ #+2 1"*ˢ 2"ˢ ;+-+1 ' "ˢ 94+ˢ 30/0*0+

ˢ ,"#$0# 0ˢ 2+ˢ IVˢ 2+ˢ . 0 "ˢ #+*"13+4ˢ 0ˢ 243 20ˢ 94+ˢ "''"##+#0ˢ *":#+ˢ
0ˢ 94+*$ "ˢ 2+ˢ *0;+#ˢ 0ˢ 94+#-ˢ 2+3 0ˢ '" . ,+$ #ˢ 0ˢ 2+*,+G0ˢ 2+ˢ 01/4-*ˢ #+,0#"*(
94+ˢ *+ˢ 1"#-030 . ˢ -+'+**0# +*ˢ ˢ ˢ ˢ ˢ ˢ *
* ˢ ˢ ? ˢ ˢ ˢ D ˢ ˢ ˢ ˢ

?ˢ /"3+#-"ˢ 2+' 2 4ˢ 94+(*+-2"ˢ 0*ˢ -2 '020*ˢ 0410*ˢ 2+ˢ 4*"ˢ '" . . 4 . ˢ
2"ˢ *+ . -0# "ˢ +ˢ 1N'+4(2+3 0ˢ 0ˢ 2+*,+G0(94+ˢ *+ˢ :"43+**+ˢ 2+ˢ 0G+#ˢ '" . ˢ
$0'*ˢ #+,0#"*('"##+#ˢ ,"#ˢ '"-10ˢ 2+ˢ 0 . ;"*ˢ "*ˢ +*10;+1+' . +-$"*

"ˢ ˢ /"3+#-"ˢ 04'$"# *02"ˢ ,0#0ˢ 0;# #ˢ '#+2 $"*ˢ *4, ,1+F-+-$0#+*(-"ˢ
. -*1+# "ˢ 2"*ˢ -+/"' "*ˢ +''1+* 0*$ '"*ˢ +ˢ 2+ˢ F4*$ /0(,0#0ˢ 0*ˢ 2+*,+G0*ˢ 2"*ˢ
+ . -0# +(940-2"ˢ 3 +**+ . ˢ 0 -*1 $4 # *+ˢ -"ˢ 2+'4#*"ˢ 2"ˢ 0--"ˢ +'"-" . '"ˢ
2+ˢ ACD? ACDA

"ˢ '"-'+2 20ˢ +*$0ˢ 04'1"# *0/0"ˢ ,+10ˢ '0#$0ˢ 2+ˢ 1+ˢ 2+ˢ I7ˢ 2+ˢ F41:"(
ˢ D Lˢ 2"ˢ 0#1 /"ˢ I S

+1"ˢ 2+'#+$"ˢ 2+ˢ 6ˢ 2+ˢ -"3+ . ;#"ˢ . 0-2"4ˢ "ˢ /"3+#-"(0G+-2"ˢ 4*"ˢ
20ˢ -2 '020ˢ 04'$"# *0/0"(0;# #ˢ 4#-ˢ '#+2 $"ˢ *4, ,1+ . +-$0#(0$2ˢ 1 940-$ 0ˢ
2+ˢ 6??B ???ˢ #+ *(,0#0ˢ *+#ˢ 0, ,1 '02"ˢ **ˢ 2+*,+G0*ˢ 2"ˢ *+ . -0# "ˢ 2 "'+ˢ
*0-"ˢ 20ˢ ' 202+ˢ 2+ˢ 3"#0

ˢ ?ˢ *+ . -0# "ˢ 2 "'+*0-"ˢ 2+ˢ 3"#0ˢ $ -:0ˢ * 2+ˢ -04/4#02"ˢ *"1+ . #ˢ
-' . +-$+ˢ ,+1"ˢ 0#'+; *,"ˢ ˢ #0-' *'"ˢ 20ˢ 0+ˢ 2"*ˢ " . +-*ˢ --9*ˢ 2+ˢ
0#301:"(-"ˢ +2 ' "ˢ 2"ˢ +8$ -'1"ˢ '"-3+-$"ˢ 2"*ˢ 0# . +1 $0*ˢ 01/02"*(,#" ˢ
,# +202+ˢ 20ˢ *+#+- ** . 0ˢ '0*0ˢ 2+ˢ #0/0-/0

ˢ +*$+ˢ #+*,+ $"ˢ #+ . +$$+ . "*ˢ "*ˢ 1+ $"#+*ˢ ,0#0ˢ "ˢ $" . "ˢ 3(,0/ˢ 6Wˢ 0ˢ
V7("-2+ˢ 10#/0 . +-$+ˢ $#010 . "*ˢ +*$0ˢ +*,+'101 202+

. ˢ 7?ˢ 2+ˢ *+$+ . ;#"ˢ 0, ,#"3"4ˢ "ˢ /"3+#-"ˢ "*ˢ -"3"*ˢ ˢ ˢ
% ˢ : ˢ ˢ ˢ ˢ 3 * ˢ ˢ ˢ ˢ ˢ : ˢ ˢ 2ˢ
* ˢ ˢ 8 ˢ 2+ˢ 94+ˢ :0ˢ ,W"4'"ˢ 5) G+ . "*ˢ . +-/0"Eˢ +ˢ + . ˢ 20$0ˢ 2+ˢ
Dˢ 2+ˢ "414;#"ˢ 2"ˢ . +* . "ˢ 0--"ˢ "*ˢ #+ . +$$+4ˢ "ˢ /"3+#-"ˢ " ' 01 . +-$+ˢ 0"ˢ
0#'+; *,"ˢ 2+ˢ #0/0

);ˢ ˢ I ; AW

. 20$0 2+ A> 2+ "414;#" #+ . +$$+4 " 0#'+; *," 2+ 3"#0 0" /" 3+#-" 4 . ,#"F+'$" 2+ +*10$4$"*(9 +(-" *+4 +-$+-2+#(2+3 0 . *+#3 # 2+ #+/410 . +-1" ,#"3 *"# "

8

+10 ,"#$0# 0 2+ AV 2+ "4$4;#" 0, ,#"3"4 " /"3+#-" "* -2 '02"* +*$0$0$"*('" . " '0#0'$+ 2+ ,#"3 2+-' 0* ,#"3 *"# 0*('0-2" #+*+#30 20 ,0#0 " "$4#" 0 ,4;1 '0/0" . ,#+**0 2" 94+ 2+ 1- $ 30 . +-$+ *+ 0' '"#20**+ 0 +*$+ #+*,+ $"E +2+3+-2" 0 #+/ 0 0,,#"30'0" 2'+#'0 2+ 01 /4 . 0* 2 *,"* /"+* 2"* . +* . "* +*$0$41"*(+-$+-2+# *+ '"-'+2 20 -"* *+ /4 -$+* $+# . "*<

& A U) 4+ 2+$+# . -0-2" *+ -" 0#$ /" A? S 20 1+ 2+ IC 2+ 0;# 1 2+ AC>D 94+ K0"* ,#+102"* 2 "'+*0-"* '" . ,+$+ " /"3+#-" +'"-" . '"(+ 0 2 #+'/0" 2 *' ,1 -0# 2"* *+ . -0# "* 20* *40* #+*,+'$ 30* 2 "'+*+* 2 - * *'"-3 -;0(,0#0 " . 1 2+*+ . ,+-1 " 2+*10 -*,+'/0"(;+ . '" . " 20 94+ 0"* *";+#0-"* '0$:"1 '"* ,+#$+-'+ ,+1"* ,# -' , "* /+#0+* 2+ 2 #+ $" ,4;1 '" + +''1+* 0*$ '"(';. #+*,+ $" 7+/#+F0 + 0 $"2"* "* +*$0;+1+' . +-$"* 2+ #+1 / 0" + 2+ , + 202+ + . * *+4* +*$02"*('"-3 -;0 94+ " #+3;#+-2 ** . " 0#'+; *,"(-0 "''0* 0" 2+ #+'+;+# 20 F4-$0 2" /"3+#-" 2" *+ . -0# " 0 '"-$0 0--401 2+ 94+ $#0$030 " 0#$ /" AD S 2"* +*$0$41"* ,#"3 *"-"*(#+ . +$$+**+ (,+1" . - *$+# " 2"* -+/"' "* +''1+* 0*$ '"* 4 . 0 '", 0 25+110(0'" . ,0-:020 2" *+4 ,0#+'+# *";#+ 940+*94+# ,#"3 2+-' 0* "4 . +1:"#0 . +-$"*E +;+ . 0** . 20 -"$ ' 0 2" ."3 . +-$" 1 $$+#0# " 24#0-$+ " 0--"(. +-' "-0-2" -4 . +#" +-" . +* 2"* 014 . -"* 94+ #+94+-$0**+ . 0* 0410* 2" *+ . R -0# "(+ * *+4 #+*,+'$ 3+ 0,#"3+ $0 . +-$"

I S) 4+ + . 940-$" 0 0410 2+ +-* -" ,# . 0# " * . 41$0-+"(94+ ,#" F+'$030 +*$0;+1+'+# -" *+ . -0# " ,0#0 -*$#4+/0" 2+ 940+*94+# 014 . -"*(2+3 0 +110 *+# '"-*$ $4 20 '" . 0* ,#+3 0* *"1+ . - 202+* +*$0;+1+' 20* -0* 1+ * + #+/410 . +-$"* + . 3 /"# 0 #+*,+ $" 20* +*'"10* ,4;1 '0* + ,0#$ '4 10#+*

?0--" 2+ ACDA + . 4 $" -"$03+1('" . #+ +#+-' 0 0"* *+ . -0# "*(,"# 940-$" -" 2+'4#*" 25+11+ " 02",$020 4 . 0 ,#"3 2+-' 0 '0, $01(94+ . 4 $" 03"#+'+4 + 03"#+'+ 094+11+* +*$0;+1+' . +-$"*(-" 94+ #+*,+ $0 0"* . + "* 2+ *4, ,# # 0* 2+*,+G0* 20 *40 . 0-4$+-/0"

?2+'#+$" 2+ I? 2+ *+1+ . ;#" 2+ ACDA #+*$0;+1+'+4 0 3 : *+-2" " ,#"24'$" 20* #+*,+'$ 30* +* . "10* 0,,1 '02" 0* 2+*R ,+G0* 2"* *+ . -0# "* 2 "'+*0-"*(+ 0;# '0* 20* '0$:+2#0+*

?' ,#+0#0;41"' 2"' 2+'#+$"' +8,1 'O' 0*' ' #'4 . *10-' 0*(' . "1 3"*' +' -* 2&+*$+' #+*10;+1+' . +-$"<

K +-2"' "' ' 02#+' "' 8(' "#O' , Z+* 2+- +' -O' 4 - 3+#*01' +/#+FO' 2+' +4*(' 0--4 2"' ;+- /-0 . +-1+' * . -:0* #+/ 0* -*$0-' 0*(' +' '"-'+2 2"' 2+' -"3"' 0"*' + * 2&+*1+* #+ -"*' +' *+-* 2" . - "* $"20* 0* -241/+-' 0* +' /#0'0* +*, # 140+* +' $+ . ,"#0+* 2O' 0-$ /O' 4110' 2O' #4G020E' 2+3+-2"' ' ,#"24'1"' 20* +* . "10* 2"*' + *(' 94+' $" . 0#+ . ' O' 4110(' *+#' -$+ #0 ' . +-$+' 0, ,1 '02;(' 2+," * 2+' 2+24G 20* 0* 2+*,+G0* 2O' *00' 02 . - *$#0 ' 0"(' ' * ' ' ' ' ' ' ' 2 ' ' ' ' ' - ' +' + . ' *+/4-2"' 1"/0#' 0* 2+*R ,+G0* 20* 0;# '0* 20* '01;+2#0+*(' +' O' "41#"* 4*"* , "* #+ +# 2"* -0* *";#+2 10* . -:0]' -*$0-' 0*(' +' 0, ,#"302"* ,"# *40' *0-$ 202+< ' 0$' $+-2+-2"' +4' O' 94+' - "' ,"2+(' + . ' 3 *$O' 20' 1+/ *10'0"' 0'$401' 2"' ,0 G(' #+*10;+1+'+# *]' '" . ' O' . '* . O' "# . O' +' 0$$# ;4 '"+* "' 0-$ /"' $# ;4-01(' -+#O' '"-* 2+#0# *+' 3 /+-$+* . 4 $0* 20* 2 *,"* ';+* 2"' 0130#2' 2+' A?' 2+' . 0 "' 2+' A67>(' 94+' 2+4' #+/ -'-$"' 0"' 2 $"' $# ;4-01(' +' 0* 2+' "4$#"* 01 ' 30#2* +' #+*"14/"+* ,"*$+# "#+* *";#+' "' #0+* . "' 0**4 . ,$"E 0$$+-2+-2"' ;+ . ' 0** #O' O' 94+(' ,"# 4 . O' ,0#$+(' '"-3+ . ' * . ,1 '0#(' 940-$"' ,"** 3+1(' O' 02 . - *1#0/0"' -&+*$+' -+/"' "(' 2+' . "2"' 94+' ,"**0' $ #0# *+' . OF"# - ' $+#+**+' 2"' ,#"24'$"' 20* +* . "10* 2"*' + *(' 94+' $" . 0#+ . ' O' 4110(' +' 0'42 # 0** . ' . 0 * 0 . ,10 . +-$+' 0"*' , "* -*(' O' 94+' +11+' +' 2+*$ -02"< +' 94+' ,"# "4$#O' ,0#$+(' *+' $"#-O' 2+' #+'"-:+' 2O' 4$ 1 202+' ,4;1 '0(' +*, ' # $401' +' $+ . ,"#01(' 0;#+3 0# O' ,4;1 '0)0"' 20* /#0/0* +' 03"#+* #+'+; 2"* ' 20' 1 ;+#01 202+' 0,"*$"1 '0E :+' ,"# ;+ . (' +$' H

?' 2+'#+$"' '#+"4' + . ' *;"O' 4 . O' F4-$O' 2+-" . -020@ ' ' ' 3 ' ' : @ 7 940' '"- "4' O' . **0"' 2+' +8,+2 # +' 2+*,0 ' ':0# $"2"* "* -+/"' "* #+*,+'$ 3"* 2' 02 . - *$#0/0"' 20' ;4110(' ,#"3+# ' 2 *$# ;4 /0"(' '";#0-/O' +' 0##+'020/0"' 2"' ,#"24'1"' 20* +* . "10* 2"* + *(' +' -01 . +-$+(' #+01 *0# O' +-$#+/O' 2"' 2 $"' ,#"24'1"' ,0#O' *+# 0, ,1 '02"' 0"* , "* 4*"* '"-3+- +-$+*

' F4-$O' '0# O' *4;"#2 -020' 0"' . - *$+# "' 2"* -+/"' "* +''1+* 0*$ ' '"* +' 2+' F4*$ /0E' +' *+# O' '" . ,"*$O' 2"' '" . . **0# "' /+#01(' ,#+* 2+-$+(' +' 2+' 940$#"' 3"/0+*(' '" . ' "' $ $41"' 2+' 2+,4$0 2"*

?' '" . . **0# "' /+#01' *+# O' O' ,+**"O' +''1+* 0*1 '0(' O' 94+#-(' ,#+'+ ' 2+-2"' -" . +0/0"' #+/ 0(' *40' *0-$ 202+' '"-'*2+**+' ' ' -"* -+/"' "* +*, # $40+* 20' ;4110

* 2+,4$02"* *+# 0 . ' 2+' -" . +0/0"' #+/ 0(' #+'0 -2"' O' +*'"1:O' -"* +''1+* 0*$ '"* "4' *+'410#+* 94+' ,"# *40' 2 *$ -'/0"' +'1+$$#0* . +#+'+**+ . ' "'4,0#$0+* 14/0#+*< 2+3+-2"' ,#+ +# # *+' "* 94+' FO' *+#3 **+ . ' "4$#"* + . ,#+/"* ,0/" ' ,+1"' +*$02"

? 2+'#+$" 8030 "* 3+-' .+-$"* 2" '" . . **0# " /+#01 + 2"* 2+ , 4$02"*E "#/0- *030 0 *+'#+$0# 0 20 F4-$0E #+/41030 0 #0,#+**0" 2"* *4#0#00# "* 20 -"30 ; 4110E 2030 , #+'+ $"* *"; #+ 0 2 *$# ;4 /0" 20* ; 4110* + $42" 940-$" #+*,+ $0 2 *40 +8$#0'/0"E 2+$+# . -030 0 $080 20* +* . " 10*(+$' (+$'

0" +-1#0#0"* -0 +*,+' '0/0" 20* . -42+-' 0* 2+ $"2"* +*$+* + "4 #"* ,"-$"*(,"#94+(,0#0 " -"**" '0*"(;0*$0 *0;+# 94" 0 F4-$0 /+#01 20 ;4110 20 0-$0 #4G020 + 0 +-'0##+/020 20 02#0 - *$#0/0" 2+ #+-2 . +-$"*(94+ ,# -' ,01 . +-$+ *0" 0, ,1 '02"* 0 -00-4$+-/0" 2"* *+ . -0 ## "* 2 "'+*0-"*

5+*$+ 0--"(+ . 20$0 2+ IC 2+ +3+#+ #"(0,#+*+-$"4 " . - *$#" 2"* -+/"' "* +''1+* 0*$ '"* + 2+F4*$ /0 0" ,0#10 . +-$" 4- -"$03+1 #+10$"# "(-" 9401 2+4 '"-$0 20* ,# -' ,0+* ,#"3 2+-' 0* 94+ $ -:0 02",$02" 2+*2+ 94+ ,+1" 2+'#+$" 2+ AC 2+ F4-:" 2+ AC>W "#0 +-'0##+/02" 2" #+*,+ '$ 3" . - *$+# "

: +-'"-1# ."* -"$ ' 0* 0 #+*,+ $" 2+ *+ . -0# "*(94+ 2+3+ ."* 0,#"3+ $0#(,"# *+/4#0* + -$+#+**0-$+*(#+*4#0 -2" 0* 01 0* * ;*$0-' 01 . +-$+('" ." 9402#0 0" , 0-" 2" -"**" $#0;011 "

0" *+ $ -:0 ,"2 2" 20# +8+'4/0" 2* 2 *,"* /"+* 20 '0#$0 2+ 1+ 2+ IC 2+ 0;# 1 2+ AC>7 B94+ :0 ,"4'" 0,"-$0- "* (+ . ' '"-*+94+-' 0 20* ' #'4 . *$0-' 0* 20 0G+-20 ,4;1 '0(0* 940+* -0" ,+##0 1$ #0 . ' 2+*1 -0# ,0#0 "* *+ . -0# "* 0* *" . . 0* -+'+**0# 0*

** . ' . +* ." $ -:0 *+ F0 3+# '02" 0 0;+#$4#0 2" *+ . -0# " 2 " '+*0-" 2+ 3"#0(/#0/0* 0(" G+1" + -'0-*03+ * +* "#/"* 2" #+3 0#'+; *," B94+ ' . -*$#" *+ '" . ,#0G 0 + ' #+'"-:+'+# + 1"430# ' + > . 4- 1'+-' 0 2+ 40* 0/+*$02+*(94+ -D" *" . +-$+ '+2+#0 . ' 4#-' +2 ' " 20 0*0 2+ #0/0-/0(. 0* $0 . ;+#0 0 +8,+-*0* 20 . +* . 0 *+#+- ** . 0 '0*0 048 1 0#0 . ' ,0#$+ 20* 2+*,+G0*E "'''##+-2" *+ 0" 2+ . 0 * ,+10 0G+-20 ,4;1 '0

? +*$02" 20* '" *0* #+10$ 3+* 0 *+ . -0# "*(+ + . ' /+#01 0 #+*,+ $" 20 -*$#4'/0" +''1+* 0*$ '0(+#0 " *+/4 -$+(-0 20$0 2+ IC 2+ +3+#+ #" 2" AC7A

' *

. ' 0-$0#+ . ' " . 0-2"4 +*$0;+1+'+# 0 #0 -:0 ' 0# 0 ' + . ' AVC?(2"0-2" ,0#0 +**+ 2+*$ -" 0 +/#+F0 + '0*0 2+ "**0 +-:"#0 20 "- '+ /0" -0 . +* . 0 3 110 B:"F+ ' 202+ ' 94+ ,+#$+-'+#0 > " . ,0-:0 2+ +

4' +**0#0 . ' "*' #+-2 . +-$"*' 94"' "0$#5"#0' 1 - : 0' "' *+ . -0# "(' +' +*1030 . ' #+24G 2"*(' 2+' >D??ED0???? #+ *' 0' 7?? ??' #+ *' ,#"3+- +-$+*' 2+' "#"*'+ . ' 2 - : + #"(' +' + . ' /+-+#"*

" . ' ' #+-2 . +-$"' 94+' #+*$"4' +*$0 ; +1+'+4 *+' 4 . 0' 0410' + . ' ' R '+-$+' 2+' "#0(' ,0#0' "' +-* -"' 2+' 01/4 -*' ,# - ' , "*' 20*' *' +-' 0*' +''1+* ' 0*$ '0*(' +' +*, +' 01 . +-$+' 2+' $: +"1"/ 0' . "#01

. ' AC>W B, #"3 *0"' 2"' 114*$#+' ,0$# 0#' : 0' ' 4 1: +# . +(' 2+' AI' 2+' "414 ; #"(' 0, ,#"3020' ,+1"' /"3+#- "' + . ' A6' 2+' . +* . "' . +G ' 0 ; # 4 *+' -0' #+* 2+-' 0' ,0$# 0#' : 01' 2+' ' '+-$+' 2+' "#0' 4 . 0' '4#*"' ; +- -01' ' " . ' 240*' '02+ #0*' 2+' 2 *' ,1 -0*' +''1+* 0*1 '0*(' 0** . ' ,0#0' "#2 -0-2"*' " . "' ,0#0' '1+# /"*' F0' "#2+-02"*

#0' F41: "' 2+' AC7?' +*$0 ; +1+'+4 *+' -"' . +* . "' 1"'01' 4 . 0' '02' #0' 2+' : *$"# 0' *0/#020' +' +''1+* 0*$ '0

8 *$ 0 . ' F ' #+94+-$0-2"' "' '4#*"' $: +"1"/ '"' 20' - 3+#* 202+' 2+' " . ; #0(' -"*' 1+# . "*' 2"' 0#$ /"' 6 L' 20' '0#$0' 2+' 1+' 2+' IW' 2+' 0 ; # 1' 2+' AC>D(' 01/4 -*' '1+# /"*' 2"' ,0$# 0#' ; 02"

?' /"3+#-"' 1 2030' + . ' #+*$0 ; +1+'+# "' *+ . -0# "' + . ' 0-10#+ . (' -"W - ' $ 4 1"' 2+' *4 ; . - *$#0# . 0 *' 0' 1' +' 0 . ,10' -*$#4 'X0"' 0"*' "#2 -0-2"*' 2"' ,#0$# 0#' : 02"< 048 1 02"' ,+1"' G+1"*"' ,#+102"' 20' +/#+F0' 1 *; "-+-*+(' +*, +' #030' '"-*+/4 # +**+' ' '" . ' ,+94+-"' *0'# 1 ' "' 2"' : +*"4#"

' ' 3

"#0 . 1: +' #+*$ $4 2"*' "*' #+-2 . +-$"*' 94+' 0 -20' #+*$030 . ' 2"*' $+ . R ,"*' 0-$+# "#+*' 0' AC7>' ?' +2)' "' +' + . ' '"-*$#4 2"' +' +*, 0/"*"' R 2030' ' ,#+102"' + . ' 0'42 # 0' 01/4 . 0*' "; #0*' 2+' 94+' "' . +* . "' +2 1 ' "' ,#+' *030(' 0$+' 94+' "4$#0*' ,#"3 2+-' 0*' ,+# . $1 **+ . ' 0 ; # # "' *+ . -0# "

03 0(' + . ' #0/0-/0(' -"' 0--"' 2+' ACDA(' 0, +-0*' 4 . 0' 0410' 2+' $: +"R 1"/ 0' . "#01

+F0' ' 94+' 2 **+ . "*' -"' 1" . "' 3(' ,0/' 67' 0' #+*-+ $"' 25+*$+' *+ . R -0# "

; ' 3

4-'0' : "43+' 01' *+ . -0# "

-: 0' +#0' ACDA' 4 . 0' 0410' 2+' $: +"1"/ 0' . "#01(' '" . ' 01/4 . 0*' ,#+1+'# /"+*' ,#+3 0*' 2+' 1"/0#+ ' $: +"1"/ '"*(' #+/ 29(, +1"' 3 /0# "' /+#01' 20' 2 "'+*+

' ' :

' 014 . -"' *0"' 02 . $$ 2"*(' *+ . ' ,0/0 . +-$"' 2+' ,#", -0*(' 0*' 0410*' 20' - 3+#* 202+E' '4#*"' $# +- -01E' 1 /"+*' 2+' '0-$"' +''1+* 0*$ '"' +' 2+' 1 ' $: 4#/ 0'

"' 0- -"' 1+'$ 3"' 2+' AC>W ACD?' : 03 0' >A' *+#0 -0# *10*(' I I' 2"*' 940+*' '4#*0#0 . ' 0*' 0410*' . 0 "#+*' -0*' 0'41202+*' 2+' $: +"1"/ 0' +' 2+' 2 #+ $"

+-2 . +-$"*' . 4 $"' . +-"#+*' 2"' 94+' "*' 25"4$#5"#0' *$ -'$ ** . "

G+1"5 2"5 3 /0# "5 /+#01f 2"5 ; *,02"5 + .s ;+-+ ' "5 2"5 '#+2 $"5 +s ,#"/#+**"5 2"5 *+ . "0# "

+F0s 94+s 2 **+ . "*s 0s #+*,+ $"5 2+*$+s -"$03+1f +*$0;+1+' . +-$"5 -"5 $" . "5 (,0/s 67s 0s 6W

8

0"5 :03 0s -+*$0s 2 "'+*+s *+ . -0# "5 #+/410# . +-$+s '9-*$ $4 2"s 0#0s $01f 2+*$ -+s "#0s 2"02"5 "5 +2 ' "5 2"5 0-$ /"5 '"11+/ "5 20s " . ,0-1 0s 2+s +R *4*s 20s ' 202+s 2+s 130*(0, ,1 '0-2" *+ 1:+s "*s #+-2 . +-$"*s 2+s 4 .s '"-s 3+-1"5 +8$ -'$"5 2+s #+1 / "*0*s -0s 3 110s 2+s 1 3+-/0s 4''+2+4(,"#+ . (94+s ,+1"5 $#0$02"5 2+s AC?As '0**+s ,+#$+-'+-2"5 0s +*,0-:0s 0s 3 110s 2+s 1 s 3+-/0(+s ,0**0**+ .s 0*s -2 '020*s #+-20*s ,0#0s 0s . $#0s 2+s 020F"Gs " .s s #+*$0-$+s #+-2 . +-$"5 *4*$+-$0#0 .s "*s ; *,"*s 2+s 130*s 01/4 . 0*s 0410*s 0$+s 0"5 0--"5 2+s AC7>

5+*$+s 41$. "5 0--"5 $"#0"4s 0s 0G+-20s '"-$0s 2"5 +2 1+ "5 +s 2"*s *+-*s ,"4''"*s ;+-*(94+s 01 2*s "#0 .s #+*$ $4 2"*s + .s AC>>

"5 0--"5 2+s ACD s +8 *$ 0s 4 . 0s 0410s 2+s $:+"1"/ 0s . "#01f +s 2"/ . 0 ($ '0($0 . ;+ .s *+s 2030 .s 01/4 . 0*s 1 /"+*s 2+s 1 $:4#/ 0s +s '0-$"5 +''1+* 0*1 '"

0s 110s 2+s 0 .,"5 0 "# +#0#0s 1+'' "-02"*s "*s "#2 -0-2"*s ,+1"5 3 /0# "5 20s 30#0E +.s "4$#0*s ,"3"0/"+*s +*$030 .s 04'$"# *02"*s 01/4-*s ,0s #"':"*s ,0#0s 4*$#4 # "*s "#2 -0-2"*

s s ;

" s *+ . ,#+s 2 . -4$0s 0s 2"$0/0"5 2+*$+s *+ . -0# "s +-2" 1:+s #+*1 s $4 2"*s "*s ;+-*s *4;* *$+-$+*(0*+ s0'42 -2"(940-$"5 9,0s ,"** 3+1(0s 01$0s 2+s 0410*s 2+s -*$#4+/0"5 ,0#0s "*s "#2 -0-2"*s 20s 2 "'+*+

s s

?s +2 ' "5 $ -:0s 0#2 2"(+s 0 -20s -0"5 *+s ,"2+#0s #++2 '0#

"-*+#3030s 4 . 0s 0410s 2+s $:+"1"/ 0s . "#01f -"5 ,0/+E -0s ' 202+s :0R 3 0s 0410*s #+/ 0*s 2+s 10$. ("#9$"# 0(+s , : 1"*", : 0s #0' "-01f +s . "#01s *s "#2 -0-2"*s 0G 0 .s +80 . +s 2+*$0*s 2 *' ,1 -0*s ,0#0s *+s . 0$# '-10#' .s -"5 '4#*"5 :+"1"/ '"5 20s - 3+#* 202+

03 0s 01/4 . 0*s 0410*s ,0#$ '410#+*s + .s ,"3"0/"+*s 20s 2 ,'+*+(

,+#030s "5 /"3+#-"5 '"-+/4 # . 4 $"5 + .s ;#+3+s "5 . +1:"#0 . + $"5 20s -*$#4+/0"5 +''1+* 0*$ '"5 -0s +/#+F0s 10 . +'+-*+

s s

+**0#0s 2+s 4-'' "-0# + .s AC7>(,"# $+#+ .s '024'02"(,+10s . 0 "# ,0#$+("*s *+4*s #+-2 . +-$"*('" . "5 ,#"3+- +-$+*s 94+s +#0 .s 2+s 2 G . "*

"5 +2 ' "(94+s *+s '"-*+#30#0s + .s ;" .s +*$02"("#0 .s +*$0;+1+' s 20*(2+s 0''"#2"5 '" .s "5 ,#+102"(0*s 0410*s 2"5 #+*,+'$ 3"5 1N'+4s " .s "5 #+-s 2 . +:$"5 94+s 023 +#0s 20*s '"11+/ 020*s *4, ,# . 20*('"-*+/4 4 *+s 0s 0;+#s $4#0s 2"5 *+ . -0# "s 1 -:0s + .s +8+#' ' "5 240*s 0410*(4 . 0s 2+s $:+"1"/ 0s 2"/

. 011'0("4$#0 2+ : *$"# 0 +''1+* 0*$ '0 '"-$+-2" II 014 . -"* BA6 - $+#-"* + 6 +81+#-"*

4-'0 $+3+ *+ . -0# " -$+* 2+ AC7> :03 0 -" ,0/" +, *'", 01 240* 0410* 2+ $:+"1"/ 0 . "#01 + 2"/ . 0$ '0(: *$"# 0 +''1+* 0*$ '0(+ -*$ $4 2+* '0-"- '0*(. 0-$ 20* 0 +8 , + -2* 20 . $#0

. AC7A +8 *$ 0 *" . +-$+ 4 . 0 0410 2+ $:+"1"/ 0 . "#01 -" . +* . " ,0/"

. 03+ 2" 0;4/01(+#+F" + "4$#0* $+##0*(+-* -030 . " "* ,0#" ' :"* "* "#2 -0-2"* '" . 04'$"# *0/0" 2" ,#+102"

"-$ -40#0 0 +8 *$ # 03 0 -+11+ + . AC7A 0* 0410* 2+ $:+"1"/ 0 2"/ . 0$ '0($:+"1"/ 0 . "#01 + '0-$" +''1+* 0*$ '"

$0 2 "'++ *6 '" . +/"4 0 $+# *+ . -0# " , # " , "4'"* 0--"* ?' ; *, " -$"- " 2+ "*+ + 0*$# "5 10-/0#0 "* 4-20 . +-1"* 2"5 +2 ' " 2+ 0-$" -$"- " -0)4 -$0 2" #02"(F4-$" 0 ' 202+ 2" "#$"(*$+ +2 ' " 0#2+4 24#0-$+ " '+#'" 2+ AC7I

. AC7> " 2"02" ,0#0 *+ . -0# " " '"11+/ " 2+ "4#+-/"(94+ ,+#$+-'+#0 D+8$ -'$0 '"-/#'/0/0" 2"* /"*$ -:"* +*'01/"*E . 0* +*$030 . 4 1" 0##4 -02"(+ 2+ . 0-2030 /#0-2+ 2+*, +G , 0#0 , "2+# *0$ * 0G+# " *+4 2+*1 -"

8 *$ 0 -" ,0/" +, *'", 01(+ . ACDA(0410* 2+ $:+"1"/ 0 2"/ . 0 1 '0($:+"1"/ 0 . "#01(+*$0;+1+' 20*(,+1" 2+'#+$" 2+ IC 2+ -"3+ . ;#" AC>?('" . " 4 . 0 *+'/0" 2" N'+4 "#$4+-*+(+ . 3 #$42+ 2" 0#$ /" V? S 2" 2+'#+$" 2+ A7 2+ -"3+ . ;#" 2+ AC76

+F0 94+ 2 **+ . "* 0 #+*, + $" 25+*$+ *+ . -0# " -"‖$" . " 3(,0/(C?' + CA AA>

?

8 *$ 0 -" . '11 "# +*$02" 03 0 -+11+ 4 . ' '4#*" . 4 $" #+/410# 2+ +*$42"* +''1+* 0*$ '"*(01+ . 20* 2 *' ,1 -0* ,#+, 0#0$"# 0* 94+ "* , ," +* *"#+* 2" 1N'+4 +-* -030 . 2+-$#" 2" *+ . -0# "

#0 '"-* 2+#03+1Z" -4 . +#" 2+ "#2F-0-2"* 94+ #+94+-$030 . 0* 0410* 2"* +*$42"* +''1+* 0*$ '"*(;+ . '" . " 2"* 014 . -"‖ 94+ 0-2030 . '4#*0-2" 0* 0410* 2, +-* -" *+'4-20# "

" #+10$"# " $+' 0 " . - *$#" /#0-2+* +-'" . "* 0" ,#+102" 94+ + . AC7A ,#+* 2 0 > 2 "'+*+ 2+ *+4(,+10 114*$#020 2 1 /+-' 0 '" . 94+ ,#" . "3 0 0 -*$#4'/0" 2" '1+#"

+F0 94+ 0 #+*, + $" 2" *+ . -0# " 2+ *+4 2 **+ . "* -" $" . " (,0/ CA 0 C>

  3

"-$ -40#0 *+ . ,#+ 0;+#$" -* -030 *+ $:+"1"/ 0 2"/#00$ '0($1 +" 1"/ 0 . "#01(+ 2030Z . *+ -"BF"+* 2+ '0-1" +''1+* 0*$ '"
. AC ? $ 0:0 * 2" 0''#+*'+-$020 4#00 '02+ #0 ,0#0 " +-* -" 20* -*$ $0 '"+* '0-"0 '0*
8 *$ 0 -5+*10 2 "'+*+ " 4*" 20* '"- +#+-' 0* . "#0+*("4 ,01+*$#0*(2 3 2 20* + . , +90+-"* ' #'41"*(20* 940+* *+ 2030 '"-$0 ,+# "2 '0 . +-$+ 0" ,#+102"
$030 #+-$+ 20 2 "'++ 4#- ; *, " #+*, + 103+1(+ 2+ 0''"#2" '" . /"3+#-" . "*$#030 *+ . 4 $" 2 *, "*1" ,0#0 . +1:"#0# 0* '"-2 '"+* 2" *+ . -0# "
+F0 -" $" . " 3(,0/ DW 0 67(0* -"$ ' 0* 94+ 2+ . "* Z +*, + $" 25+*$+ *+ . -0# "
  8
0 #0+-' "- 1 . "* 0 *40 -04/4#0/0" 94 2+3+ . "* #+'"#20# 94+ " /"3+#-"(2+*+F0-2" 3+# ,#"*, +#0# 4#- $01 +*$0;+1+' . +-$"(0;# 4 4#- '#+ 2 $" *4, ,1+ . +-$0# 2+ 6?? ???#+ * + . 03"# 25+*$+ *+ . -0# "(,"# 2+ '#+$" 2+ A? 2+Z* +$+ . ;#" 2+ ACD?(+ . 3 #$42+ 20 04'$"# *0/0" 94+ :+ +#0 '"- '+2 20 -" 0#$ /" I] 7 S 20 '0#$0 2+ 1+ 2+ I7 2+ F41:" 2" . +* . " 0- -"
"3 0 2 "'+*+ 0#': +, *'", 01 2+ 3"'0 -0" :03 0 *+ . -0# " $+ 0" 0- -" 2+ AC7> +#9 *4, ,# 20 0 01$0 2+ *+ . -0# " ,+10* 0410* 94+ +* $030/ +*$0;+1+' 20* -* . 01/4 . 0* '"#, "#0/"+* #+/410#+*
  4
0" $ -:0 0 -20 * 2" 0;+#$" +-2" '+**02"(+ . 3 #$42+ 20 1+/ * 10/7" -"3 ** . 0("* #+-2 . +-$"* 2" *+ . -0# " 0-$ /"(+*$030 $42" 2+, +- 2+-$+ 20* ,#"3 2+-' 0* 94+ " /"3+#-" :"43+**+ 2+ $" . 0#
03 0 4 . 0 0410 2+ $:+"1"/ 0 . "#01 + 2+ -*1 $4 /"+* '0-"- '0* + . 0#"E "41#0 2+ -*$ $4 /"+* '0-"- '0* + 2+ $:+"1"/ 0 2"/ . 0$ '0 + . "R #01 + . , 1, "#$+1(#+/ 20 ,+1" #+*, +'$ 3" ,0#"':" " 2 G+# 2" /"3+#-"(+#0 +*$0 41$. 0 0410 . 4 $ ** . " #+94+-$020(+ '" . +8'+11+-$+* #+*41$0 2"*

4-'0 ':+/0#0 0 '"-*$ $4 # *+ -5+*$0 2 "'+*+ *+ . -0# " #+/410# ? F1$. " ; *, " * 1*$+-1030(0 +8, +-*0* 20 . $#0(240* 0410* 2+ +*$42"* F''1+* 0*$ '' *(,0#0 "* 940+* +#0 . , #+, 0#0$"# +* ? 10$ #0(#:+$"# '0 + "/ '0
0 +, "'0 2" #+10$"# " 94+ 30 . "* +/4 -2"(:03 0 4#00 0410 2+ :+" "/ 0 . "#01((#&,0 " *4F+ $"*Z"* "#2 -0-2"* 0"* . +* . "* , #+, 0#0$"# +* +,#*#"#+,#1#+,# +8 / 2"*

3 $

4 #0#0"-$0- * . "(+ʻ*";#+ʻ 0ʻ 0 . +0'0*ʻ 2"ʻ #+*$0;+1+' . +-$"ʻ 2"ʻ +8+'#0-2"ʻ $# ;4-0ɪʻ 2"ʻ 0-$"ʻ ' "(," *ʻ "*ʻ 0-0$ '"*ʻ "4*030 .ʻ * ʻ ʻ * * ʻ ʻ ʻ ʻ

.ʻ IVʻ 2+ʻ . 0 "ʻ 2 G 0ʻ "ʻ /"3+#-"ʻ 0"ʻ ,0#10 . +-$"(94+ɔ0ʻ . ,"** ; 1 ʻ 202+=2+ʻ "'ʻ'"##+#(,"# 3 0ʻ 20ʻ 0G+-20ʻ ,4;1 '0(0ʻ 2+*,+G0ʻ 2"ʻ*ʻ*+ . -0ʻ # "*($ -:0ʻ * 2"ʻ 0ʻ ,# -' ,0ɪʻ '04*0ʻ 2+ʻ *+ʻ :03+# #+$0#202"ʻ 0ʻ +8+'4/0"ʻ 20ʻ 1+ʻ 2+ʻ ICʻ 2+ʻ 0;# 1ʻ 2+ʻ AC>Dʻ 0ʻ +*$+ʻ+ . ;0#0) ʻ # 0ʻ 2 . -4 -2"ʻ*4''+*ʻ * 30 . +-$+(F'ʻ ,+10ʻ +8+'4'0"ʻ 20ʻ '0#$0ʻ 2+ʻ 1+ʻ 2+ʻ A6ʻ 2+ʻ F4-:"ʻ 2+ʻ AC>C('" .ʻ #+10/0"ʻ 0ʻ 01/4 . 0ʻ* 2 "'+*+*(F2ʻ ,"# "41#"*ʻ . + "*ʻ 94+ʻ("ʻ /"3+#-"ʻ ,#","# 0ʻ ",,"#$4-0 . +-$+(F2ʻ ,+1"*ʻ #+'4#*"*ʻ ,#"3+- +-$+*ʻ 20*ʻ +* . "10* 20ʻ 4110ʻ 20ʻ #4G020

"ʻ 94+ʻ $"'0ʻ 2ʻ 0, ,1 '0/0"ʻ 2"*ʻ #+-2 . +-$"*ʻ 20ʻ 4110(+8,4-:0ʻ "ʻ /"3+#-"ʻ 0*ʻ -$+-/"+* + .ʻ 94+ʻ +*$030

K *ʻ -+'+** 202+*ʻ #+*,+'$ 30*ʻ 2+ʻ '020ʻ 2 "'+*+ʻ B2 **+ʻ +11+ʻ *0"ʻ 2 ʻ 3+#*0*(*+/4-2"ʻ 0ʻ +8$+-/0"ʻ 2"ʻ *+4ʻ $+## $"# "(+ʻ "4$#0*ʻ ' #'4 . *$0-' 0*ʻ + .ʻ 01/4 . 0*ʻ 2ɔ+110*ʻ -4-'0ʻ :"43+ʻ *+ . -0# "(-+ .ʻ *+ʻ F41/"4ʻ 2+ʻ /#0-2+ʻ -'"-3+- +-$"ʻ 0ʻ *40ʻ 01$0(:03+-2"ʻ -ɔ"4$#0ʻ ,0#$+ʻ . + "*ʻ 0'+ *ʻ 2+ʻ -*$#4'ʻ)0"ʻ *,02"*ʻ +8 *$+ .ʻ :"F+('4F0ʻ '"-$ -40/0"ʻ *";#+ʻ*ʻ - -/4+#0(94+ʻ$+ʻ -:0ʻ '"-:+' . +-$"ʻ +80'$"ʻ 2ɔ+11+*(,"2+#2ʻ '" .ʻ 4-20 . +-$"ʻ F4*$"(-+ .ʻ 0 -20ʻ ,104* 3+1(* *$+-$0#ʻ 0#0ʻ 0'42 # 2*ʻ -+'+** 202+*ʻ 2+ʻ 4 .0ʻ 2 "'+*+ʻ '" .ʻ 76ʻ +ʻ 7Vʻ ,0#"': 0*(,"# +8+ . ,1;(-0"ʻ +ʻ ,"# '+#$"ʻ -+'+**0# "ʻ +*$0ʻ ;+1+'+# 4 .ʻ *+ . -0# "ʻ #+/410# Q

";ʻ 0ʻ - 14+-'0ʻ 2ɔ+*$0*ʻ ,"-2+#0/"+*(F41/030ʻ "ʻ /"3+#-"ʻ 94+ʻ +#0ʻ . 4 $"ʻ . 0*ʻ 4$1(+ʻ . 0*ʻ '"-24'+-$+ʻ 0"ʻ .ʻ 94+ʻ*+ʻ ,#+$+-2 0ʻ '"-*+/4 #(K$#0$0#2+ʻ"#/0- *0#-0*ʻ2 "'+*+*ʻ . 0*ʻ ," ,41"*0*(+ʻ 94+ʻ . +1:"#+*ʻ ,#", "#ʻ '"+*ʻ " +#+'+**+ .ʻ ,"#ʻ *40ʻ * $40 0"ʻ '" .ʻ #+10/0"ʻ 0*ʻ ,#"3 -' 0*ʻ 2"ʻ #+ -"(+ʻ 0 -20ʻ ,+10*ʻ ' #'4 . *$0-' 0*ʻ 2+ʻ :03+# -ɔ+110*ʻ +2 ' "*ʻ ,#", # "*ʻ '" .ʻ 0*ʻ 0'ʻ '"#0 . "20/"+*ʻ '"-3+- +-$+*(0 /4-*ʻ *+ . -0# +*("4ʻ '"11'/ "*ʻ ,0#0ʻ 0 +24ʻ '0/0"ʻ +ʻ -*$#4+/0"ʻ 20ʻ . "' 202+ʻ 2+*$ -020ʻ 2ʻ 3 20ʻ '1+# '01ʻ ɔ+*$+*ʻ '"11+ʻ / "*ʻ ;+ .ʻ 2"$02"*(+ʻ ,#"3 2+*ʻ 2"ʻ -4 . +#"ʻ *4 ' +-$+ʻ 2+ʻ ,#" +**"#+*(," ʻ 2+# 0ʻ '"-*+/4 # *+ʻ 4 .ʻ '4#*"ʻ 2+ʻ *' +-' 0ʻ '" .ʻ 0ʻ *"1 2+G(+8$+-*0;ʻ +ʻ #+ʻ /410# 202+ʻ -+'+**0# 0*(‖,0#0ʻ 94+ʻ "*ʻ 014 . -"*ʻ 94+ʻ "*ʻ '" . ,1+$0**+ . (ʻ '0**+ .ʻ :0; 1 $02"*ʻ ,0#0ʻ "ʻ . ,"#$0-$ ** ."ʻ #0 - *$+# "ʻ 0ʻ 94+ʻ *+ʻ 2+2 ʻ '0**+ . Q

+'"-:+'+4ʻ "ʻ /"3+#-"ʻ 94+(0ʻ 94+#+# *+ʻ 20# 4 .ʻ *+ . -0# "ʻ 0ʻ '020ʻ 2 "'+*+(-+ .ʻ 1 03+# 0ʻ #+'4#*"*ʻ ;0*$0-$+*(-+ .ʻ *+ʻ 1 #0# 0ʻ #+*41$02"ʻ '"#ʻ #+*,"-2+-$+ʻ 0"ʻ *0'# ' "ʻ 94+ʻ ,0#0ʻ +**+ʻ .ʻ *+ʻ G+**+ʻ ɔ+*$+ʻ *+-$ 2"(+- +-2 0ʻ 94+ʻ '"-3 -:0ʻ #+-4-' 0# 0"ʻ ,+-*0 . +-$"ʻ 2+ʻ '"-*$ $4 # *+#0 -0ʻ # "*ʻ #+/410#+*ʻ + .ʻ $"20*ʻ 0*ʻ 2 "'+*+*(0,#"3+ $0-2"ʻ 01 0*ʻ "*ʻ 94+ʻ &# "#/0

3 %%ˢ 3

*0**+ .ˢ -0ˢ '"- "##0 202+ˢ 2"*ˢ ,# -' , "*ˢ ,#+'+2+-$+*(+ .ˢ ;+-+ ' "ˢ 2"*ˢ "#2 -0-2"*ˢ 20*ˢ 2 "'+*+*ˢ "-2+ˢ -0"ˢ :"43+**+ˢ *+ . -0# "*ˢ Z

#

?ˢ /"3+#-"(0$$+-2+-2"ˢ 0"ˢ 10 . +-103+1ˢ +*102"ˢ 2+ˢ . 4 $0*ˢ +/#+F0*(+ˢ 20*ˢ . **"+*ˢ 20ˢ # '0(#+*"13+4ˢ 0, ,1 '0#ˢ + .ˢ ;+-+ ' "ˢ 2"*ˢ #+ -"*ˢ 2+ˢ -/"10ˢ +ˢ 2"ˢ "-/"(20ˢ ,#"3 -' 0ˢ 2+ˢ ˢ :" . +ˢ +ˢ # -' ,+(+ˢ 2"*ˢ +*$0ˢ ;+1+' . +-1"*ˢ +ˢ ,0 G+*ˢ 02F0'+-1+*(0*ˢ 2 *,"* /"+*ˢ 20ˢ '0#$0ˢ 2+ˢ 1+ˢ 2+ˢ IC ˢ 2+ˢ 0;# 1ˢ 2+ˢ AC>D

5+*$0ˢ '"- "# . 202+ˢ ,#" . 41/"4ˢ "ˢ 2+'#+1"ˢ 2+ˢ I7ˢ 2+ˢF41:"ˢ 2+ˢ ACD7(2"ˢ 9401ˢ 30 . "*ˢ 0,#+*+-10#ˢ 0*ˢ ,# -' ,0+*ˢ 2 *,"* /"+*

0-2"4ˢ +*$0;+1+'+#ˢ -"ˢ ,0/"ˢ +, *'",01ˢ 20ˢ ' 202+ˢ 2+ˢ ˢ 041"ˢ 20ˢ **4 . ,/0"ˢ 2+ˢ "0-20(K bˢ ˢ * ˢ ˢ ˢ ˢ ˢ ˢ ˢ : ˢ ˢ ˢ ! ˢ ˢ *

0#0ˢ 0ˢ + ˢ ˢ ˢ 0, ,1 '""< AS 0*ˢ 3+#;0*ˢ 2+ˢ 2+*ˢ ,+G0ˢ +''1+* 0*1 '0ˢ 3" 020*ˢ -"ˢ #+*,+'$ 3"ˢ "#/0 . +-$"(. 0*ˢ -0"ˢ 2+*,+-2 ˢ 20*E ˢ IS "ˢ ,#"24'$"ˢ 1 9 2"ˢ 20*ˢ +* . "10*ˢ 20ˢ 4110ˢ 20ˢ #4G020(" +#+ˢ ' 20*ˢ ,+1"*ˢ + *ˢ -0*ˢ 240*ˢ ,#"3 -' 0*E 7S 940+*94+#ˢ #+-2 -+-$"*(;+-*("4ˢ *4;3+-/"+*("#-+' 2"*ˢ ,+1"ˢ +*$02"("4ˢ ,"#ˢ ,0#$ '410#+*ˢ ,0#0ˢ 0ˢ -ˢ *1 14 /0"ˢ 2+ˢ 4#-ˢ *+ . -0# "ˢ + .ˢ -/"10

9 $ ˢ ˢ >

Aˢ S "# . 0#ˢ +''1+* 0*$ '"*ˢ ,0#0ˢ "ˢ *+#3 /"ˢ 20*ˢ +/#+F0*ˢ -0*ˢ 2 $0*ˢ ,#"R 3 -' 0*

Iˢ S #+,0#0#ˢ . ** "-0# "*ˢ ,0#0ˢ 940+*94+#ˢ . **"+*ˢ 2"ˢ '"-1 -+-$+ˢ "4ˢ 20*ˢ 1:0*ˢ 2+ˢ # '0

7ˢ S 4, ,# #ˢ 0ˢ 01$0ˢ 2"ˢ 1N'+4ˢ +ˢ . 0 *ˢ 0410*ˢ ,4;1 '0*ˢ -0ˢ ,#"3 -' 0(20-2"ˢ "ˢ +-* -2ˢ *"'4-20# "ˢ 0ˢ 940+*94+#ˢ 014 . -"*ˢ +8$'#-"*(94+ˢ 9 + ˢ #0 .ˢ '4#*0#ˢ 0*ˢ #+*,+'1 30*ˢ 2 *' ,1 -0*

0 . ;+ .ˢ +#0ˢ -*$ $4 2"ˢ ,0#0ˢ 20#ˢ :"*,+20/+ .ˢ +ˢ *4*$+-$"ˢ 0"*ˢ . *R * "-0# "*ˢ 94+ˢ 30"ˢ ,0#0ˢ 0*ˢ . **"+*ˢ 2+ˢ # '0("4ˢ 25+110*ˢ 3"110 .ˢ ,"#ˢ "#ˢ 2+ .ˢ "4ˢ 04'$"# *0/0"ˢ 2"ˢ /"3+#-"ˢ

(-01 . +-$+(2+3 0ˢ *+#ˢ 2 *,"*$"ˢ 2+ˢ $01ˢ . "2"(94+ˢ 1"/"ˢ ,"2+**+ˢ #+'+;+#ˢ 4#-ˢ #+ $"#(4#-ˢ ,#+ + $"(5*+ *ˢ ,"#' "- # 0*(*+ *ˢ . + " ,"#' "- *ˢ $0*(*+ *ˢ ,+-* "- *$0*(+ˢ "ˢ -4 . +#"ˢ 2+ˢ " 1 ' 0+*ˢ +ˢ *+#3+-1+*ˢ 94+ˢ -+'+*ˢ *0# "ˢ "**+

+% ˢ ˢ ˢ ˢ ˢ ˢ ˢ $ _ ˢ0$ #&#+,0" ˢ 0&ˢ *< ,#&ˢ +0ˢ &#&&0 ˢ " %0 0ˢ "#ˢ 78EN

(* ,"#' "- *$0* *+# 0 . ' *4*$+-$02"* +' 3+*$ 2"* 0 '4*$0 2"' *+ . -0 '
"< "* . + " ,"#' "- *$0* ,0/0# 0 . ' *" . +-1+' . +$02+20 *"#0 . 0(+ . ' 94+'
"**+' '01'41020 0 2+*,+G0 2"* ,"#' "- *$0*E "* ,+-* "- *10* ,0/0# 0 . ' 0
#+ +# 20 *" . . 0(-0 "# . 0 BF"+' "**+' 0#; $#020 ,+1"' ,#+102"

8 >

#0 . ' 0, ,1 '020* 0"' *+ . -0# "' 2+' -/"10 $"20* 0* 2 *,"* /"+* 2"'
0130#0 2+' A? 2+' . 0 "' 2+' AC?D(+' 20 1+ ' 2+' IC 2+' 0;# 1 2+' AC>D

1+ . ' 20* 2 *' ,1 -+* $:+"1"/ '0* +' '0-"- '0*(+-* -0 *+ : 0 -"' *+R
. -0# "' 2+' -/"10< AS 0 1 -/00 101 -0 +' ,"#$4/4+G0(4 . 0 ,+10 "4$#0E
I S 0 1 -/40 ;4-20 ,"# ,# -' , ,*E 7 S 0* :4 . 0- 202+*

?' '4#*"' 2+' $"2"* "* +*$42"* 2"' *+ . -0# "(;+ . ' '" . "' 0 2 *$# ;4 '
0" 20* 2 *' ,1 -+*(*+# 0 . ' #+/41020* ,+1"' ,#+102"' 2 "'+*0;"

* 0410* 2+' -*$#4'/0"' +*,+' 01' +2'1+* 0*1 '0 *" . +-$+' *+# 0 . ' #+'
94+-$020* ,+1"* *+ . -0# *$0* "#2 -0-2"*("4' ,"# ,+**"0* 2"' +*$02"' +' '
'1+* 0*1 '"(04'1"# *020* ,0#0 **"' ,+1"' ,#+102"E 0* 2+ . 0 * 0410*(," '
#+ . (*+# 0 . ' ,4;1 '0*(+' ,"2+# 0#0 *+# #+9 +-$020* ,"# 014 . -"* +8$+# '
-"* 2+' 940194+# '10**+' "4' ,#" **0"(F4-$0 ,+-$+' '" . ' "* -$+#-"*

>

03+# 0 2" * ,#" +**"#+* ,0#0("' '4#*"' /+#01E 2" * ,0#0 , ' '4#*"' +*R
,+' 01E +' "* *4;*$ 4+* 94+' 0* ' #'4 . *$0-' 0* ,+2 **+ . (+' 0* #+-20*
2"' *+ . -0# "' ,+# . $$ **+ . E +' "* "#2+-02"* "4' /#0$ 1+0'"+* ;+* *+R
0 . ' 0#; $#02"* -"* $+# . "* 2"' 0#$ /"' >S 20 1+ ' 2+' IC 2+' 0;# 1 2+'
AC>7

"3' 0-$"' "* ,#" +**"#+*('" . "' "' #+ $"#("' ,#+ + $"(+' 2+ . 0 * + . '
,#+/02"* 2"' *+ . -0# "' *+# 0 . ' -" . +02"* -"* $+# . "* 2+' 0#$ /"' A? S 20
' $020 1+ ' 2+' IC 2+' 0;# 1 2+' AC>7

"* ,#" +**"#+* 94+' "**+ . ' 2"' #+ -"' *+' ,0/0# 0 0 3 0/+ . (+' 20# 0
4 . 0 02+94020 /#0$ /+0 0"' "4' 0F420 2+' '4*$"
* ' ' ' * ' ' ' ' ' ,

>

' ,#"3 -' 0 2+' ' :" . +' +' # -' ,+' '"4$# ;4 # 0 '" . ' 0 $+#,0 ,0#$+'
20* 2+*,+G0* -+'+**0# 0* ,0#0 -*$04#0# +' *4*$+-$0# "' *+ . -0# "E +' ,0#0
"* 1:"* 20 . +* . 0 *+# 0 #0*+#3020 4 . 0 $+#/0 ,0#$+' 2"* 1"/0#+* 2"' *+R
. -0# "

8 >

+# 0 . ' "#2+-02"* ,+1"' ,#+102"' 2 "'+*0-"(+' ,"# +11+' *4; . +$$ 2"*
>' 0, ,#"30/0"' #+/ 0(1+0-2"' $"203 0 #+/+-2"' "' +*$0;+1+' . +-$"

' '0#$0 2+' 1+ ' 2+' AC 2+' 0/"*$"' ** ' * ' ' ' '
' * * ' ' ' ' ' ' * ' ' * 3 '

J ;L7 J

$ 3 * 4 + ;+ . 0** . "*
F4#"*("#"*(+ 940+*94+# "4$#"* #+-2 . +-1"* 20 . +* . 0 '0 ,+110(94+
*+ 3+-'+**+ . 2+ +-$0" + . 2 0-$+
* F4#"*("#"* + #+-2 . +-1"*(3+-' 2"* 01+ ,#" . 41/0'0" 20 1+ (
1+# 0$- 0 0, ,1 '0/0" 2+$+# . -020 -" 2+'#+$" 2+ IA 2+ . 0 " 2+ AC76(
+ . 03"# 2" :"*, 101 20* 0120* 2+ "-': 94+(

? 2+'#+$" 2' II 2+ 0/"*$" ** " L
: * * 6 **
,
* 6 ,
+F0 -" 1" . " (,0/(A?A 0 A?V(" '0, 141" J : "
: * *
: +-'"-$#0#0" "* 1+ 1"#+* 0* '"-3+- +-1+* -"$ ' 0* 0'+#'0 20 -
*$ $4 X0" + ";F+'$" 2" '"11+/ "
0 ,0#$+ #+*,+'$ 30 0" 0--" 2+ AC77 +-'"-$#0#0" "* 1+ $"#'* " 2+*
+-3"13 . +-$" 2" 0'$" 20 * , ,#+**0" 2" '"11+/ "(+ 2+ $42" " 94+ -
$+#+**0(-5+*$+ ,0#$ '410#(0" *+ . -0# " ,0$# 0#':01

. " ' " 2+ A? 2+ *+$+ . ;#"(2 # / 2" 0" '0#2+01 ,0$# 0#':0 2+
*;"0(0, ,#"3"4 " /"3+#-" " * $ 94+ " . +*#0" ,0R
$# 0#':0 "#/0- *0#0 ,0#0 #+/ . +-$" ,#"3 *"# " 2"
94+ 0 *+# #+*$0;+1+' 2" -0 ? *";9 -3"'0/0" 2+ "**0
+-:"#0 20 "-'+ /0"
? /"3+#-" #+*+#3030 ,0#0 * 0 "#/0- *0/0" 2+ -$ 30 2" #+/410
. +-$" /+#01 94+ '"-3 +**+ +*$0;+1+'+#(*+/4-2" 0* ' #'4#0*$0-' 0* 2"*
#+-2 . +-1"* 2" . +* . , *+ . -0# "(+ " 94+ 0 +8,+# +-' 0 "**+ . "*$#0-2"
*+# . 0 * 02+9402" + ,#" '4"
. AI 2" . +* . " . +G + 0--" 0--4-' "4 " '0#2+01 ,0$# 0#':0(94+
-" ,#"8 . " 0--" 1+'1 3" :03 0 2+ 0;# # " *+ . -0# " ,0$# 0#':01(2+
3+-2" +*$+ *+# #+/4102" ,+1"* -2 '02"* +*$0$4$"* ,#"3 *"# "*
+ . "*,#+*+-$+* +**+* +*$0$4$"*(+ 3+ . "* 94+ +#0 . +11+* . +#+'+
2"#+* 20 0, ,#"30/0" 2" /"3+#-"(+ #+3+1030 . :+ . '10#0 . +-$+ " *+#+ .
";#0 2" 2"4$" '0#2+01 ,0$# 0#':0 4 1:+ . +
" '0, $41" $#0$030 2"* -* 0 94+ + 2,*$ -02" " *+ . -0# "E -"
20 -*$#4'/0" 1 $$+#0# 0 2"* 014 . -"* 2" *+ . -0# " + 2" '"11+/ " 0-E
-+8"E -" (20* +*$ 3 202+* + 4-'/"+* #+1 / "*0* 94+ :03 0 2+ :03+#
-" *+ . -0# "(+ 2" '4 . ,# . +-$" 2"* *+-* +-'0#/"* , "*E -" 3(20*
-*1#4'/9+* "4 #+/410 . +-$" ,0#0 0 +24'0/0" #+1 / "*0(. "#01 + ' 3 1 2"*
014 . -"* 2" *+ . -0# "E -" 3(20* - "# . 0/,+* + +80 . +* 2+ $"2"* "*

014 . -"*(+' 20 ' "-*+94+-1+' :0; 1 10 , "' '0-"- '0 2"*' "#2 -0-2"*E -"' 3 (2"*' 2 +#+-$+*' 014 . -"*' 2"' *+ . -0# "(+' '"-2 /"+*' 20 *40 02 . **0"E -"' (2"' /"3+#-"' 2"' *+ . -0# "' +' '"11+/ "' 0--+8"(+' 2"*' *+4*' + . ,#+' /02"*

+' " . . +-2030#0 0"*' ,#" +**"#+*' 94+' , "G+**+ . ' "2"' "' + . ,+-;"' + . ' '41$ 30# 0 . + . "# 0 2"*' *+4*' "43 -$+*(";# /0-2" "*' 0 2+' "#0# 0*' 1 ' /"+*(+' 20# ' "-$0 25+110*' 2+' ' "# +' ' " . ' "' '2 . ,+-2 "' +' :02"(+' ;+ . ' 0*' * . ' 0 2+' "#0# +' #+' $0# 2+' '6# 01/4-*' 1"/0#+*' +*' "1: 2"*' 20 *' # ,$4#0("4' 01/4-*' #0/#0+-$"*' 2+' +*' # ,$"# . 0/ *$#01 , "#$4/4+G' "4' 10$ -"((0-0 ' 1"/"*' 0*' 1 /"+*(+' ;#+3+*' +' ,# . "#"*"*' + . ' *4;*$0-' 0 +' +*$N1;

' 1 3#0# 0 2"' *+ . -0# "' $+# 0 $"20*' 0*' ";#0*' '10** '0*' 2+' $:+"1"/ 0(2 #+ $"' '0-"- '"(+' . 0 *' 2 *' ,1 -0*(+' :4#00- 202+*(94+' *+' +-* -0**+ . ' -"' *+ . -0# "(1N'+4' +' '"11+/ "

+# . $$ 0 . ' "*' +*$0$4$"*' 94+' -0 1 3#0# 0 +*$420**+ . ' ,+**"0*' +*' $#0-:0*(+''1+* 0*$ '0*' "4' *+'410#+*(,#+'+2+-2"' 1 '+-/0 2"' #+ $"# +' 0' ' "#2"' 2"' ; ;1 "$:+'0# "

" . 0 . "*' -"$0 2"']' >W(L(0** . ' '"-'+; 2"<

K 0*' #+'#+0/"+*' 2+3+ . ' "*' 014 . -"*' F4-$0# *+' +' '"-3+#*0# *+-' '"-*$#0-/ . +-$"' -+ . ' 0 +'$0/0"' '" . ' 940+*94+# '" . ,0-:+ #"*(94+' 0'0*"' :+*' "$ +#+/0 . 0 *' ,#"8 . "*< 0*' '"-3+#*0/2+*' *+#0"(940-$"' , "* ' * 3+1(-*1#4'$ 30*' +' +2 '0-$+*(. 0*' -0$4#0+*(1:0-0*' +' 01+/#+*E 2+' *"#$+' 94+' -5+110*' +' + . ' $"20 0 #+'#+0/0"' 2" . -+< AS 0 '0# 202+' ,#"'4#0-2' 0 *0$ *$0/0"' "4' 0 '"-*"10/0"("4' . 0 "# ,+# + /0"' 2+' *+4*' '" . ,0-:+ #"*< +3 $0-2"' 20# 1:+*' 01/4 . ' 2+*/"*$"(0G+# 1:+*' 01/4 . 0 " +-*0(-F4# 0 "$ 20 . -"E +' #+/+ $0-2"' $"20 0 . 01+2 '+-' 0 "4' . 4# . 4#0/0"E I S 0 ,0' +-' ' 0 *4, , "#$0-2"' '0# 0 30 +' /+-+#"*0 . +-$+' 0*' '"-$#02 '/2+*' +' 2+ + $"*' 2+' *+4*' '" . ,0-:+ #"*E 7S 0 . "2+*$ 0 +3 $0-2"' /# $0# 0*(# *020*(B 940+*94+# ,0103#0*' "4' 02"*' -2+'+-$+*(2+*'" . , "*$"*("4' ,+# /"*"*< > L(-01 . +-$+(0 ' 3 1 202+' 114*$#020(+' '"#$+G 0 , "1 20 ,0#0 '" . ' $"2" E 94+' ,#+3 -+' +' 0$#0+' 0 +*$. 0 +' "' 0 +'$"' 2"' ,#"8 . " S

0"' +*'#+3+# 0 +-+1"-' . 0 *' '"#201"' +' +2 1'0-$+

8010 94+' + . ' $"20*' 0*' '"#, "#0/"+*' '"11+/ 0+*(+ . ' $"2"*' "*' /#+' . "*' +*' "10#+*(*+#3 **+' 2+' #"$+ #"' +*$+' '" . ,+-2 "* , :"' 2+' . "#01 *02" ' #0*' +' 2+1 '020*' 023+#$+-' 0*'

+' " . . +-2030 . ' $0 . ;+#0 "*' +*$0$4$"*' 0 ";+2 +-' 0 >*' 1+ *' +' 04' '$"# 202+*' '"-*$ $4 20*(0** . ' +' '1+* 0*$ '0*' '" . "' ' 3 *E 0 $"2"*' "*' *4' ,+# "#+*($+-2"' ,0#0 '" . ' +11+*' 094+11+' #+*, + $"' +' 0 . "# 94+' "*' ;"-*' ' :"*' '"-*0/#0 . ' 0 *+4*' ,0+*(+$'(

0"' , "2+ . "*' 010#/0# -"*' . 0 *' -0 +8, "* /0"' 2"' 94+' "*' +*$0$4$"*' ,#"3 *"# "*' '"-$ - :0 . E #+ . +$$+ . "*(, "#+ . ("*' 1+ $"#+*' ,0#0 "' -

. ; L ; J

ˢ 5 ˢ -4 . ˢ ("-2+ˢ +-'"-$#0#0"ˢ -0ˀ *40ˀ -$+/#0ˀ "*ˢ 8 ˢ 2
ˢ ˢ ˢ ˢ ˢ " ˢ ˢ ˢ : ˢ ˢ
? ˢ ˢ ˢ *;"0(AC47

) 1 /ˢ /, 1), ˢ , 2 ;

0ˀ . 0#/+ . ˢ +*94+#20ˀ 2"ˢ 02"(+ˢ -0"ˢ 1"-/+ˢ 20ˀ "G 2"ˢ5 . +* . "ˢ # "(FOG+#0ˀ 2 *,+#*0*ˢ 0*ˢ #" -0*ˢ 2+ˢ 4 . 0ˀ ' 202+ˢ 9 +ˢ *+ˢ *4,"+ˢ *'#ˢ 0ˀ 0-1 /0ˀ :

4# "*"*ˢ +ˢ 114*1#02"*ˢ 3 * 10-1+*ˢ 25094+110*ˢ #4 -0*ˢ +-$+-2+#0 . ˢ 94+ˢ . 4 $"ˢ '"-3 -:0ˀ ,#"'+2+# *+ˢ 01ˢ 0ˀ 4 . 0ˀ +8'030'0"ˢ ;+ . ˢ "#2+-020ˀ R - 2
& ˢ ˢ ˢ ˢ *+ˢ 2 **+
5+*$+ˢ 0F4 G02"(940-$"ˢ 1"4303+1ˢ ,+-*0 . +-$"(+#00-"-ˢ 0ˀ 4-20'0"ˢ 20ˀ ˢ ˢ . ˢ '" . ˢ 0ˀ *40ˀ *+2+ˢ -0ˀ 3 110(:"F+ˢ ' R 202+ˢ 2+ˢ +$4;01

*$0ˀ *"' +202+(/#0-2+ . +-$+ˢ *N#0,01: '0(+ˢ . 1ˢ 3+G+*ˢ #+'" . . +-20ˢ 3+1ˢ ,+1"ˢ *+4ˢ ";F+'$"(-0*'+4ˢ +*,+#0-/"*0(+ˢ ,#" . +1$ 0ˀ 1"-/0ˀ +ˢ ;# 1:0-$+ˢ 24#0/0"(+ . ˢ ,#"3+ $"ˢ 2"*ˢ +*142"*ˢ 0#':+"1"/ '"*ˢ + . ˢ "#$4/01
ˢ 2+*,+ $"(,"#6 . (2"*ˢ ;"-*ˢ 04*, ' "*ˢ '" . ˢ 94+ˢ +-1#"4ˢ + . ˢ *'+-0(+ˢ 20*ˢ 01 0*ˢ ,#"$++/"+*ˢ 94+ˢ 0ˀ ;0 +F0#0 . ˢ -"ˢ *+4ˢ ;+#/"(3 4 *+ˢ +#0ˀ ;#+3+ˢ 2+*0 . ,0#020(+ˢ -0"ˢ $0#2"4ˢ + . ˢ +8$ -/4 # /+
0*ˢ +#0ˀ 10"ˢ . ,"#10-$+ˢ "ˢ . ˢ 0ˀ 94+ˢ *+ˢ ,#",4-:0(+ˢ 0ˀ $01ˢ ,"-$"ˢ -$+ˢ #+**0ˀ ˢ *' +-' 0ˀ "ˢ 0G+1 0ˀ #+3 3+#(94+ˢ $+ . "*ˢ ,"# -2 *,+-*03+1ˢ 0** /-010# ;+ . ˢ 0ˀ *40ˀ '4#$0ˀ 3 20(+ˢ ,"# 2 0-1+ˢ 2"*ˢ "11 "*ˢ 2"*ˢ 1+ $"#+*ˢ $"2"*ˢ "*ˢ +1+ˢ . +-$"*ˢ *+/4#"*ˢ 2+ˢ - "# . 0/0"(-"ˢ -$4 $"ˢ 2+ˢ 94+ˢ 4 . ˢ 2 0ˀ *+ˢ #+-"3+ˢ 0ˀ $+-$0$ 30ˀ 2+ˢ . 0 *ˢ 24#02"4#"*ˢ $#0;011 "*

* 094 ˢ 0ˀ "#2+ . ˢ 94+ˢ :03+ . "*ˢ 2+ˢ *+/4 #ˢ -0ˀ +8,"* /0"ˢ 2"ˢ 0**4 . ˢ ,$"ˢ 25+*$+ˢ '0, $41"<
+/ *$0#+ -"*ˢ ,# . + #0 . +-$+ˢ "*ˢ -" . +*ˢ 2"*ˢ 4-202"#+*ˢ 20ˀ *"' +R 202+Eˢ 80#+ . "*ˢ 2+," *ˢ 01/4#00*ˢ 20$0*ˢ '0, $0+*ˢ 20ˀ +8 *$+-' 0ˀ 25+*$0Eˢ #+ˢ / *$0#+ . "*ˢ 1"/"ˢ 0ˀ ;#+3+(. 0*ˢ ,"# +8$#+#0"` -*$#4'$ 30ˀ . + . "# 0(94+(+ . ˢ "# . 0ˀ 2+ˢ #+10$"# "(,#+'+2+4ˢ "*ˢ +*$0$4$"*("*ˢ 940+*ˢ 2+3+ . "*ˢ $0 . ˢ ;+ . ˢ #+/ *$0#(,"# *+#+#0ˀ . 4 $"ˢ '4# "*"*ˢ +ˢ ˢ 'ˢ +(-01 . +-$+(" +#+'+#+ . "*ˢ 0ˀ '"-* 2+#0/0"ˢ 2"*ˢ 1+ $"#+*ˢ "*ˢ 0'$"*ˢ 20ˀ 2 #++/0"ˢ 0,#+ˢ *+-$02"*ˢ 0ˀ *"' +202+('" . "ˢ $+*1+ . 4-:"ˢ 2"ˢ 94+ˢ *+ˢ ':+/"4ˢ 0ˀ 0G+#(+ˢ 2"*ˢ . ,+2 . +-1"*ˢ 94+ˢ ";*$0#0 . ˢ ˢ '"-$ -40/0"ˢ 2"*ˢ $#0;01:"*ˢ +-'+10ˢ 2"*

" ' ' ' '

0-4+1' 20' B 0 . 0' T2#"
" . -/"* 0#' 0' +#+*
-- ;01' 130#+*' 20' 130
+;0*1 0"' 0# 0' +2#"*"' 0 . 1$"'
"#/+' "#102+*' 5 + 11
"0"' 0#1"*' 25 1 . + 20' 0#301:"

' ' * ' ' _ ' ' >

"' 2 0' A 2+' -"3+#0;#"' 2+' AC>W' +d + $4"4 *+' 0' *+**0"' *"1+ . -+' 20'
-04/4#0'0"' 20' *"' +202+(' *";' 0' ,#+* 2+-' 0' 2"' 2494+' 2+ 01 . +110
"' 2 0' A 2+' 2+G+ . ;#"' 2"' . +* . "' 0--"' 3+ -' 0' *;"0' 4 . 0' 2+, 4 '
$0'0"' 2+' 2+G' *"' "*(' ,#+* 2 20' ,+1"' #+ +# 2"' 2494+(' 0/#02+'+#' 0' +1 #+ [
' +#-0-2"' 0' . +#'+' 2+' 0**4 . #' 0' ,#"$+') 0"' 20' *"' +202+
+1"' 0130#0' 2+' IV' 2+' #00#'"' 2+' AC7?' "' ,+# . 1$ 2"' 94+' 0' *"' +R
202+' #':+"1"/ '0' 4* $0-0' "**+' '"-*$ $4 20' -0' 3 110' 2+' +$4;01E' +'
"#0 . ' 0, ,#"302"*' +' '"- # . 02"*' "*' +*$0$4$"*(' ,+1"*' 940+*' :03 0' 2+' #+ '
/+# *+' 0' . +* . 0' *"' +202+
"' 2 0' ' 2+' . 0 "' *+/4 -$+' 2+4' 0' *"' +202+' '" . +/" ' 7'+8'030/0" '
" ' +*$0' -$+##" . , 20' -"' . +G' 2+' F4 - :"E' #+'" . +/"4' + . ' > 2+' "4$4;#"(
'"-$ -40-2"' *+/4 20' 0$+' A7' 2+' . 0#/"' 2+' AC7A(' +#0' 94+' -"30 . +-$+' " '
-$+##" . , 20
+' -"3"' '" . +/"4' 0' +8'030/0"' + . ' 7' 2+' -"3+ . ;#"' 2+' AC77(' +' *4* '
,+-*0' + . ' Al' 2+' 0;# 1' 2+' AC76
" . "' +1+ . +-$"' 2+' -*$#4'/0"' 0#':+"1"/ '0' ,"#$4/ +G0(' +' +*,+' 01 '
. +-$+' '" . ' #+10/ "' 0* #4 -0* 20' 0-$ /0' +$";# /0(' 30 . "* #+/ *$0# . 0'
;#+3+' -"$ ' 0' 94+(' + . ' "# . 0' 2+' #+10$"# "(' ,#+'+2 0' "' ,#"F+'$"' 2+' +*10$0 '
$"* *4; . +$$ 2"' 0' 0, ,#"30/0"' 2"' /"3+#-"<
K ' +*,0-:0' "' + . ' 1"2"*' "*' $+ . ,"*' "' 013"' 20' 0 . ; /0"' 2"*' +*$#0- '
/+ #"*' * +- ' "*(' /#+/"*(' '0#$ 0/ -+G+*(' #" . 0-"*(' /"29*' +' 0#0;+* 0$#0 '
; 2"*' 2+' *40' * $40/0"(' 20' # 94+G0' 2+' *40* . -0*(' +' 20' +#$ 1 202+' 2+' *+4'
$+##+-+(' +*$0;+1+'+#0 . *+' -5+110' *4''+** 30 . +-$+(' +' 2 *, 4$0#0 . ' ,"# . 4 '
$"* 0--"* 40' ,"**+**0" ' 94 ' +2 "0#0 . ' :0; $0/"+* ,0#0' *40* ' '" . . " '
2 202+*(' + $"# 0* ,0#0' *+4' '" . . +#' "(' ' #'"*(' $:+0$#+*(' $:+# . 0*(' -04 '
. 0'; 0*(' "#$01+G0*(' $+ . ,1+*(' 0#'"* $# 4 . , :0+*(' +' "4$#"* +2 ' "* +' . " '
-4 . +-$"* ,#", # "* 2+' *40' ' 3 1 *0/0"' +' ,"1 ' 0
K +' $"20* +*$0* '10**+* 2+' +2 ' "* '0#0 . (' +' +8 *$+ . (' + . ' "' -"**"'
"#$4/01' . 4 $0* #4 -0* +' 2+*$#"/"*(' *+-2"' 2"* #" . 0-"* 0' #00 "# +' #0+ '
:"# , 0#$+(' , "# *40' *"1 2+G' +' '"-*$#4'/0"E' +' . 4 $"* . 0 * +8 ||*$ # 0 . ' 0 -20(
+' " *+'41"*(' 0* /4+##0*(' 0' /-"#0-' 0' +' 0' -'4# 0(' -0"' $ 3+**+ . ' 2+*

$#4 '1'' +' 0,0/02'' 0* #+1 9- 0* 20 /#0-2+G0 +' .0/- '+-' 0 2+**+' ,"3"(94+' "1 ' ' Z 1+.' 2+*$+* ";F+'$"*(94+' -$+#+**0.' 2 #+'10 +' ,0#1 '410##0+- +' 0"* +*$42 "*"* 20* ;+110* 0#$+*(0':0#0 *+' +.' /#0-2+ 940-$ 202+' "41#"* - '' .+-"*(0-$+* .4 $'' #00 *(-$+#+**0-$+*(,"#94+' -+11+* +*10 '"-#'' ' #020 0 ; *$"# 0 20 '41$4#0 2+**+* '"-94 *102"#+* *";+#;"*(94+' *+' F0'$030.' 2+' *+#+#0 ' ' ' ' ' ' d2' 011'' 20* -*'#,)"+* +' .+201:0*('4F0 41 1 202+' +' '"-:+' 20 2+' $"2"* "* 94+' *0'' 3+#*02"* -+*$+' 0.+- ** .'' +*142" ' +*10* 41$ -00* :0 $0-$0 940-$ 202+' -0* #4 -0* 20 #" 0(+' $0-$0* *+' $++.' 2+*'";+#$'' +.' $"2"* "* $+.,"*(94+' -0'' :03+#2 #0+201:+#'' 01/4.' +.f "#$4/01(94+' '".' +110* *+ -0'' $+-:0 +-#94+' 2"

0 "3 2,*(" *(20* 30-$0/+-* 94+' -0$4#01.+-$+' 2+3+.' #+*4110# ,0#0 0* 0#$+* +' *' +-' 0*(2+' 4.0 +8'030,0'' 2 # / 20 '".' 0'+#$"' +#0 $+#R #+-+' $0'' , -/4+' 2+*$0* 0-$ /4011$0*(0**"' 0#0.*+' 01/4.0* ,+**"0* .0 * 0''".."2020* 20 3 110 2+' +$4;01' 2* 940+* *+' ,"2+#0'' 0//#+/0# "4' $#0*(94+' 94 G+#+.' '"-''##+# ,0#0 ''.+*.'' .('0-2'' $"2"* "* 0**"' ' 02"* +/40+* +#0 2 #+ $"* +' 2+3+#+*('".'' *+' 3+#2 2"* +*$0$4$"* 94+' 30'' F4-$"*

$ ' ,"#94+' -+#0 $"2"* $+#0'' -"$ ' 0 20 0-$ /0 +$";#/0(0 '4F0* #4 -0* *+' 22 :"F+' '' -".+' 2+' #" 0(,0#+'+' ",,"#$4-+' 2 G+# 01/4.0 '" *0 2+' *40* "# /+-* +' 0-$ /4 202+(#+'"1:+-2'' ,0#0 +*$+' .'' '' ,"4''' 94+' 2+110 -"* 2+ 80#0.' +*'#,$'' /#+/"* +' #".0-"*(+' 0,#"3+ $0-2'' $"20 0 14G(94+' ,"**0.' 20# -"* "* ";F+'$"* 0 ' 0':02"*

Y 0 .0#/+.' +*94+#20 2'' 020'' B0-1/0.+-$+' 01 ," (+' 2+*2+' 0 "G 2'' .+*.'' 0$+' 0''1"/0# 20 ".,"#$0(''"##+' 4.0 080 2+' $+##0(94+' $+#-' $#+* 1+/40* 2+' '".,# .+-$"(+' 240* 0$+' $#+* .11 0* 2+' 10#/4#0(;0 ' -:020 0'' *41 ,+10* 0/40* 20 +-*+020 2+' -+*(+' 0'' -"#$+' ,+10* 2'' 0R 20"< -0 "4#+10 ;"#+01 2+*$0 080(+' -'' +*,0,'' 94+' 2+ #"-$0 '".' 0 0'$401 3 110 2+' +$4;01(* 14020 40 .0#/+.' 2 #+ $0 2'' .+*.'' # "(+8 *$+.' 0* #4 -0* 20 0-$ /0 +$";#/0(.+-'"-020 ,"# 1042'' $"1".+4' 1+80-' 2# -"('".' '' -".+' 2+' : -J ,"# -$"-'' 4/4*$'' '".' '' 2+' : 2 J ,"# 0#' 0-'' +#0'1+"$0 '".' '' 2+' : -J +' ,+1'' -" -N.'' 03+-0$+' '".' '' 2+' : ' 2"* 940+*(''## / 2"* 4-* ,+1"* "4' $#"*(#+*41$0 '' 2+' : ' -".+'+.' 94+ '"-'"#20.' "* 114*$#02"#+* ."2+#-"* 2"* 04'$"#+* #0+-' "-02"*

B$ "# 94+.' +110 "**+' 4-2020(-0'' 0';0."* -"* +.' +*'#,$4#0(94+' *+F0 0''+ $03+1F .0* **''.+*.'' 6 ,#"30 2+' *40 .4 $0 0-$ /4 202+(

[* ' ' J #/' -' ' 3' ID'
Z 8 ' ' ' , ' 2 #/' F -' ' 3' IC6
' '

3 3

, "#94+ -0 , "2+ . "* 2 G+# 940-2 -0; +8 *1 0(*0;+-2 01 * 94 +8 * $ 4 + . $+ . , "* . 4 #+ . "$"* +# 0(, "#3+-$4#0('"1"- 0 "4 ' $"# 0 2"* +- ' "*(*+/4-2 " 94+ , "2+ . "* '"-F+'$4#0# 2"* +*'# ,1"* 2+ 1#0; " + N +-"("* 940+* -"* 2 G+ . 94+ +*$+* , "3"*(2094+ . + 2501+ . 20* "14 . -0*(+ . $+ . , "* 0-$ 94 ** . *(G+#0 . +8'14* 30 . +-$+F + , "# . 4 $"* 0--"*(" '" . . +#' " 20* : '"*$+0-2 '" . #+94+-' 0 0 4* $0- 0(+ 4-20-2 , "# +*$0* ,0#0/"-* ' 202+* + + 1"# 0* "##"; #0 *+ +*$0 '"-F+'$4#0 '" . 0* 0':020* 20 #" 0(+-$#+ 0* 940+* + -" 0 3+1 0 *+/4 -$+< " -3+#-" 2+ ACA> '0 4 01 2"* ."#"-020 ,+10* 0/40* 4 . 0 20* # ;0-'+ #0* 94+ +-$+*10 . '" . " # "(2+ 80-2 + . 2+*'";+#$ 4 . ,+94+-" '0 80" 2+ ': 4 . ;"('" . 30# 0* + '4# "* ** . 0* 0# $ /40 :0*(94+ ,0**0#0 . 0 , "2+# 2+ "2# /" 2+ 0-'0*$#"(+-$0 /"3+#-02"# 2+ +14 ;01 + +80 . -020* 2+, " * , "# 0-1 940# "*("#0 . '10** '020* '" . " +- ' 0*(+ , "# $0+* 0* #+, 410 " . "2+#-"‖ 04'$"# 20 : *$"# 0 0-1 /0 20 011 G0(. ,#+**0 -" +##"1 + . AC7C(" 9401 2 G 94+ $"2"* +**+* '4# " *"* ";F+'$"* +8 *1+#0 + . , "2+# 2"* :+#2+ #"* 2" /+-+#01 0-'0*$#"Z

Z 0**+ . "*(, "#+#0(25+*$+* $+ . , "* 243 2"*"* ,0#0 " , +# "2" 20 2" . -0'0" #" . 0-0('4F"* -24; $03+ * 3+*$ / "* -"* 2+,0#0 0 '020 ,0**" $+##+-" 20 #" 0

K * +*$0$40* 2'*'";+#$0* 01 , "# 30# 0* 3+G+*(0* '"14 . -0*("* ' , , "*(0* -*'# , /"+*(0* . +201:0* '"-*410#+*(+ 2" 01$" + ;0 8 . , +# "(0* 10 . ,020* *+, 41':#0+*(0* 0 . , :"#0*(0 0#/0 . 0**0 * /- -0("* $ F"1"* 940#$+02"*(+ . 1 "41#0* 0-$ /401:0* 25+*1+ /+-+#"(, #"30 . -24; $0 3+1 . +-1+ 0 2" . -0'0" 2+**+ , "3" / /0-1+(*+ . , #+ /#0-2+ + *+ . , #+ +* '#03"(94+ *+#3 0 2+ #0*1"* 0"* 2+*, "$0* 2+ " . 0(+ 1+3030 0##0*$02"* + . * *+4* $# 4 . , :"* "* #+ * 20 $+##0 % - J 2 G 4 . 0 . + 201:0 2+ #0F0-"(0';020 -0Z #" 0< % - @+T "41#0 2+ 4' " +#"< + +#0 '" . $0+* 2+'#+$"*(940* + . . "-"*N110;"*(94+ " , "3" 2" ;#+ '#+030 #+ -"*(1+30-1030 6 0;01 0 $:#"-+*

K 0* 3"11+ . "* 0" -"**" , #" , "* 1"(+ , 0#0 94+ -0" , 0#+/0 +80/+ #02" 94+ 2 G+ . "* 20* 0':020* 20 #" 0(0110#0" , "# -"* +**+* . +* . "* 94+ 0* G+#0 . ("4 25+110* +*'#+3+#0#0

-2#+ 2+ +*+-2+ " " , # . + #" 2+*'";# 2"# 2094+110* #4 -0*(+ 2 G(-" 1 3#" > L 2+ *40* -$ /4 202+*(94+ 0':"4 01 4 . 0 +*$0$40 *+ . '0;+/0(01/4 . 0* -*'# , '"+* #" . 0-0*("* 2+*$#"/"* 2+ 4 . $+ . , 1"(94+ "#0 2+ 4, $+# . ."-(*";#+ '4F0 , "#$020 +8 *$ 0 . 0 -20 "* *N . ;"

 1 *0&0 " #G M& "%'%#"# I0)1#))0 2 1 &%), 101#+,#%1 "-#&,#& B@#*, & '%0) <%10 ,060 "# $ 0,0 * 1 5 6% 0& 1/,( ) 6 *0& #1 #)#2 2# . 1 *%)0"0&"# # '%#0 6%1 " 0 &# #G$) *0 0

1"*' 2♫+**0' 2 3 -202+(' +' 01/-#00*' *01/02+ #0*' 2+' ' ' '" . '" +11+(' '" .' $"20' 0 ,#",# +202+(' 11 +' ':0 . 0
- /"*1 -:'" 2+' 0-$0' 0# 0(' -'" 1" . '" I(S' 2'" ' '
0 ,0/' >A>(' 2 GE' K '" * $ "(' ," *(' 2♫+*$0' ," ,41"*0' +' 0-1 /0' ' 202'" B +$" ' ;# /0' *+' 2'*'";#+ .' 0 -20' :"F+' #4 -0*' 2'" /#0-2+*' +2 ' "*(' +' 2♫+110*' *+' $++ .' $ #02'" '*$0140*(' '"1- . -0*(' +' . - 10*' -*'# ,'"+*(' 94+(' +-$#+' "41#0*' 0 /4 202+*(' *+' '"-*+#30 . (' ,0#0' +1' . 0' . +#0"# 0(' -0' '0*0' +' ,010' '" 2"*' 94+*' 2+' 3+ #" H

&K ' 0' ,0/' >A6' 2'" . +*#0'" $"#0'" #0-*'#+3+' 0' -"1 ' 0' 2+' 4 . 0' 0';020' + $0' ,+1'" ,#",# +10# '" 2♫09-'11+' $+##+-+(' 0' 9401' 10 . ;+ .' *+' ,"2+' 3+# + .' 4$+04(' 0#$ /'" #" 0(' +' 2 G' 0** . E' $ ':+' . - $0*' ."+20*' 2+' '" ; " ' ':+' *+, 2$02'" -0' 0#+0(' "4' 2';0 8'" 2♫+110(' "#0' $+#0,1'" /+-$ 1 '"(' '" .' "14 . -0*' +' '0, $+ *(' 2+' 94+' 0 -20' :"F+' $+-;'" 4#0' 2+' -"$03+1' 0;# '0E' 0':+' . 4 $0*' *+,4114#0*' '"#0'"**020*' 2+' '"#,"*' 1 4 . 0-"*E' "4$#0*' *'" '" .' 0*' ' -G0*E' "4$#"*' '"#,"*' ,+94+-"*' . +$$ 2"*' + .' 30*"*' 2+' ;0##"E' . 4 $0*' *+,41$"#0*' + $0*' 2+' 02";+*(' +' "4$#0*' 2+' ,+2#0' 3+# . +1:0' . 4 $'" -0(' +' . 4 10' 9-0-$1202+' 2+' ,#+/"*' +' +##"1:"*' 2+' ;#"-G+E' ,0** #0*' 2+' 3 2#'" 0G41(' '+#'020*' 2+' '0-2 + #"]' 2+' ;0##"(' +' 0"*' ,+*' 2♫+110*' ."+20*' 2+' '" ' ;#+' 0'" ."2+' 2'" " +#+-20*(' +$'

K '+-1+' 01/02"(' -0*' : $ ' ' ' 5 ' ? ' 2 G' 0' ,0/' I D< K 01' 6' 0' ,#+*+-$+' . +201:0 ' 2+*'";+#$0' -'" 1"/0# 20' #" 0(' $+##+-'" +#$1 ** ."' 2♫+*$+*' 0':02"*(' 2+' 94+' "*' '4# "*"*' 20' -0'0'" $++ .' 04/ . +-$02'" "*' *+-*' ."-+$0# "*' +' /0; -+$+*' 2+' "41#0*' . 4 $0*' 0-$ /4 ' 202+*

K ' 94+#-' *$'" +*'#+3+' $+ .' #0G 2'" 20' #" 0(' ,"# 2 1 +#+-$+*' 3+G+*(' [,0#0' ' #00' 2+' 24G+-10*' . +201:0*' 2+' $"2"*' "*' $0 . 0-:"*(' 01/4 . 0*' 20*' 940+*' ,+# + $0 . +-$+' '"-*+#3020*(' " +#+'+4' 0'" +#9 -+-$ ** .'" *+-:"# '0#2+01' 0# 0 30' 2+' ' 4 G(' 2+' *042"*0' . + . "# 0(' '" 9401(' '" . '" 10'" 0 + ' "02'" 94+' +#0' 0' +*$0*' '4# "* 202+*(' 2 G 0' + .' '0#$0 2+' I?' 2+' F41:'" 2+' AC>A(' 0' 94+#-' ;♫0*' "= +#+'+4< " *$." +' '"-*+#3+' 0*' . +201:0*' 94+' ' . +' " +#+'+4(' +' +*1"4' -$+ #0 . +-1+' ,+10' *40' +8,1 '0'0" ' **0' #" 0(' +**+' $+##+-'" $"2'" +' 4#0' :+*"4#" H' '" 2 0' C' 2+' "4$4;#'" 2'" 0--'" 2+' AC>W' "#0 .' 01' 2+*+'";+#$"*' 2" *' '0, $+ *' 2+' 1 2*' ;#0-'"(' ,+#$+-'+- +*' 0 "#' 2+ .' F"- '0(' "*' 940+*' +8 *1+ .' :"F+' + .' '0*W0' 2+' 4 .' 2"*' *"' "*' 4-20' 2"#+*' 2♫+*$0' *"' +202+(' -0' 110' 2+' +$4;01' 1+ .' 2♫ *$'" .' 2"*' . +*' ." *"' "*' $#"48+' 20*' 2 $0*' #4 -0*(' -0'" :0' . 4 $'" $+ . ,"(4 .' '0-2 + #'" 2+' ;0##"(' 94+' '"-*+#30(' ' 240*' . +201:0*' 2+' . +2 0-'" ;#"-G+(' 94+' "R #0 .' " +#+' 20*' 0'" +8 U$*#' 2494+' 2+' 01 . +110(' 114*1#02'" +' /+-+#"*'" ,#"$+'$"# 20*' *' +-' 0*' +' 20*' 0#$+*(' *";' '4F0' ,#+* 2+-' 0' "' -04/4#020' 0' 6 ' -'" 2 0' W' 2'" -"3+ . ;#'" 2+' AC>W Z

I?

**+ . "* 94+' +#0 .' 2+' * ' . 4 $"' '4# "*"*' "* +*$0$4$"*(3+#202+ #0 '
. +-$+' ' ' +' , "#' **"' . +#+'+2"#+*' 2+' *+#+ .' #+/ *$02"*
0"' "*' *+/4 -1+*<
! ' (@# ' ' ' ' ' ' '
#$' A S J +;0 8"' 20' ,#"$+'/0"' 2+' *40' 9 0/+*$02+' '1 #+' ' "' *+- : "#
' +#-0-2"' +' '#+020' -0' 3 110' 2+' +14;01' 4 . 0' *"' +202+' 2+-" . -020' "Z
' '
#$' I S J ?' #-' 25+*$0' *"' +202+' ' +8'14* 30 . +-1+' , #" . "3+#' , "#
$"2"*' "*' . + "*' 0"' *+-' 01'0- '+(+' + +'$40#' 4 . 0' +8'030/0"' -0*' #4 -0*' 20'
0-$ /0' +$";# /0(+' 0294 # #' 1 G+*' +' '"- : +' . +-$"*' *";#+' 0' : *$"# 0(/+" '
/#0, : 0' +' '"*$4 . +*' 0-1 /"*(2+' 94+' *+' $+- : 0 .' "# / -02"' "*' 94+' : "F+'
+8 *$+ .
#$' 7 S J "# . 0# *+ : 0' -0' 3 110' 2+' +$4;01' 4#-' 4*+4' #' : +"1" '
/ '"' 2"*' ";F+'$"*' 94+' *+' 2+*'";# #+ . ("*' 940+*' '0 .' *4F+ $"*' 0' 01 0'
-*, +'/0"' 2"' /"3+#-"(,0#0' 94+(-0' '"- "# . 202+' 2"*' 0130#0*' 2+' I ?' 2+'
0/"*1"' 2+' AVIA' +' > 2+' +3+#+ #"' 2"' AC?I (,"**0' ,#"3+#' 0' 94+' +*$+*' *'-0"'
2+$+# "#+ .' "4' 01 +-+ .' -2+3 20 . +-1+' +#$+-'+#0(,"#+ . (+8'14* 30'
. +-$+' 0' *"' +202+' "' 2" . - "' 2"*' 2 1"*' ";F+'$"*(0' /+#+-' 0' 0;*"1410'
-0' '"11"'0/0"' +' '10** 1'0/0"' 25+11+*(0** .' '" . "' "' *+4' #+/ . +-' . 1+#-"'
+' +'"-" . '"
#$' > S J * 4-2"*' 20' *"' +202+' *+#0"' 1+30-$02"*' , +1"' , #"24'$"
20*' F" 0*("4' 940-$ 0*(94+' '020' *"' "' + +'$ 3+' *+#2' ";# /02"' 0' *0$ *'
0G+#' *" . +-$+' -"' 0'$"' 20' *40' +-$#020
]' - '"' ' F" 0' -4-'0' *+#0' . +-"# 2+' > DBC?? #+ *(. +$01' *"-0-$+E
. 0*' +*$0' 940-$ 0' , "2+#2' *+# 24,1 '020($# ,1 '020(+' 0** .' , #"/#+** '
30 . +-$+' 0"' 0#; $# "' 2"' *"' "
! ' (@# ' ' ' ' ' '
#$' D S J ' *"' +202+(#+4- 20' + . ' 0**+ . ;1+0' /+#01('" . , +$+' 2+'
1 ;+#0# +#0' 41$. 0' -*10-' 0' *";#+' $"2"*' "*-+/"' "*' 2"' *+4' . . +2 0$"'
-$+#+**+
#$' 6 S J ' *"' +202+(, "#+ . (+' #+, #+*+-$020' , "# 4 . 0' 2 #++/0"('
94+' *+#2' +1+ $0' 2+' 2" *' + . ' 2" *' 0- -"*
]' AS *$0' 2 #++/0"' *+#2' '" . , "*$0' 2+' ' -'"' *"' "*' + +'$ 3+*' +'
2" *' *4;*1 14$"*(94+' +*$+F0 .' -0*' ' #'4 . *$0-' 0*' 2+' ;+ .' , "2+#+ .'
2+*+ . , +-: 0# 0*' ";# /0/"+*' 94+' , "# +*$+*' +*$0$4$"*' : +*' *0"' -1 +#+-'
$+*
' I S' ?' , #+* 2+-$+' 20' *"' +202+' +' , #+* 2+-$+' -0$"' 20' 2 #++/0"'
'" . ' 3"$"' 2+' 9401 202+E +' -0' *40' 04*+-' 0' 0#2' 0*' *40*' 3+G+*' "' 3 '+Z
, #+* 2+-$+
' 7 S' 0' 0110' 2"' 3 '+ , #+* 2+-$+(94+' *+#2' *+ . , #+' . + . ; #"' 20

2 #+''0"(0#2' 0*' * 0*' 3+G+*('" .' 3"$"' 2+1 ;+#0$ 3"' "' 2 #+'$"# 94+' 0' . +* . 0' -"#0+0#

#$' VSJ ' 2 #+''0"' '#+0#0' "*' + . ,#+/"*' 94+' "#+ .' -+'+**0# "*' ,0#0' . +1:"# #+/410# 202+' 2"*' $#0;01:"*(/+#+-' 0' 2"*' -+/"' "*(* . ,1 ' ' 202+' +' '10#+G0' 2+' *40' +*'# ,$4#0 0"' +' '"-$0; 1 202+

]' 4- '"' ?' *+'#+$0# "' 20' 2 #+' 0"' *+#0' *+ . ,#+' 4$-' 2"*' . + . ;#"*' 2;+110' ?' $:+*"4#+ #"(,"#+ . (,"2+' 2+ 80# 2+' $+# +*$0' 9401 202+'

#$' CSJ ' 2 #+''0"' ,+#$+-'+' 0' 02 . - *$#0/0"' 2"' 4-2"' *"' 01(+' 0' /+#+-' 0' 2+' $"2"*' "*' -+/"' "*' '"-'+#-+-$+*' 0"' .' 20' *"' +202+' *";' 0' . 0 *' *+3+#0' +'"-" . 0' +' #+*$# '$0' #+*,"-*0; 1 202+(20-2"' '"-$0*' 0-' -401 . +-$+' +#0' 0**+ . ;1+0' /+#01

#$' WSJ ' 2 #+'/0"' 2+3+#2' $+# #0-' 1 3#"(+#0' 94+' *+#0' 10-/020' 1"20' 0' #+'+ 10' +' 2+*,+G0' 4$#"(+#0' 94+' *+#0"; 2+*'# ,$"*' ,"# "#2+ .' -4 . +# '0(+' '" .' 0' #00 "# +*,+')'0/0"($"2"*' "*' ";F+'$"*' 94+' "#+ .' 2+*' '";+#$"*' -0' +8'030/0"' 4$#"(94+' *+#3 #0' 2+' #+/ *$"' 20*' 0'$0*E +' 4 .' '", 02"#

#$' A?SJ ' 2 #+'/0"("#. 0#2' 4 . 0' #+10/0"' 2"*' *"' "*(94+' 2"' ;" .' /#02"' *+' ,#+*$0#+ .' 0' # ,0#0' "' * $ "' 20' #" 0' 2 # / # "*' $#0;01:"*' 20' +8'030/0"

]' AS /401 . +-$+' 2+* /-0#2' 0' '020' 4 .' 2;094+11+*' *"' "*(94+' $+#0"' -" . +' 2+' -*,+'$"#+*(940-1"*' +' 940+*' "*' 2 0*(94+' ,"# +*'010' :+*' ,+#$+-'+ . (,0#0' #+ .' "*,+'' "-0# +' ,#+* 2 # 0"*' $#0;01:"*' 20' +8'030R /0"

]' IS?' -4 . +#"' 2"*' *"' "*' -*,+'$"#+*' '0' 0"' 0#; $# "' 20' 2 #+'/0"

!< ' (((J '# ' ' ' ' ' '

#$' AASJ ?' -4 . +#"' 2"*' *"' "*' +' 11 . $02"(+.' 940-$"' 0** #0' '"-3 +# 0' *"' +202+(+' +*$+*' ,"2+ .' *+# + +'$ 3"*' "4' '"##+*,"-2+-$+*

#$' AISJ "2+' *+# 02 . $$ 2"' '" ." *"' "' + +'$ 3"' 940194+# -2 ' 3 24"' 94+' #+* 20' 2+-$#"' "4' "#0' 2+' "#$4/01(4 . 0' 3+G' 94+' $+-:0' ;" .' '" . ,"#$0 . +-1"(+' *+F0' ,#",*1"' 0' 2 #+'/0"' ,"# 4 .' 2"*' *"' "*(+' ,"# +110W0, ,#"302"

]' 4- '"' 11 -2+,+-2+-1+' 20' 0, ,#"30/0"' 20' 2 #+'/0"' 0' 02 . **0"' 20*' *+-:"#0*(94+(,"# *+ ' 0 . "# 2*' *' +-' 0*' 94+ #0 .' 0**"' 0# *+' 0' +*$+' -*$ 4"

#$' A7SJ "2+' *+# -" . +02"' *"' "' '" 3+*,"-2+-$+' 940194+# -' 2 3 24"' -0' "-01' "4' +*$#0-/+ #"F 04'$"# 2+' ";#0(. +#0"# 0("4' "4$#"' +*' '# ,$"' *";#+' 0#':+"1"/ 0(94+' " +#+/0' 4 .' +8+ . ,10# 2' *"' +202+

' 4- '"' 0 . ;+ .' ,"2+#2' *+# -" . +02"' *"' "' '"##+*,"-2+-$+' $"2"' -2 3 24"' 94+' #+ . +$$+# 0*"' +202+' . "-4 . +-$"*' 0-$ /"*(-"$ ' 0*' 2+*' '# ,$ 30*' "4' : *1"# '0*'*";#+' ";F+'$"*' 2+' 0-$ /4 202+*(2+*'" ';+#$"*("4' 94+

+' 2+'";# #+#0 -'' -"**'' ,0 G(+' 94+' . +#+'0 .' 0 0, ,#"30'0'' 20 2 #+' '
/0"

#$' A> L J 2 . $$ 2'' 94+' *+F0 '' '0-2 20$+(*+4' -" . +(' . ,#+/ ''
+' #+* 2+-' 0 *+#0'' 10-'02"* + .' 4 -' 1 3#'' ,0#0 **'' 2+*$ -02"(94+' $+#0
' $ $41'' 2+@

]' 1 L' +4 : 4 .' *"' '' + +'$ 3+' ,"2+#0 *+# -*'# ,$'' -+' 1 3#+' . +-'
' "-02"(*+#0 94+' +' :+*"4#+ #'' $+-:0 #' '+; 2'' 0 940-$ 0 '" .' 94+' +11+'
$ 3+# '"-$# ;4 2"

]' I L' -*'# ,$'' 94+' *+F0(0 2 #+'/0'' :+' +-3 0#' '' *"4 2 ,1" . 0(
+' 4 .' +8+ . ,10# 2"* +*10141"* 20 *"' +202+

#$' AD L J "2'' '' *"' '' + +'$ 3+' $+ .' 2 #+ $'' 0 +80 . -0# "* #0'
;01:"* 20 *"' +202+(+' 0 20# *";#+' 2 +* '' *+-' ,0#+'+#(0*' .' '" .'' 0
,+2 # 0 2 #+'/0'' 940+*94+# +*'10#+' . +-$"*

' 4- '"') 40-2'' ''*"' '' 94 G+# +8, #+**0# 0 *40 ", - 0"("4' ,+2 #
+*'10#+' . +-$"*(01 " :0 *+ . ,#+' ,"# +*'# ,$"(94+' 2 # / #0 0 2 #+''0''
20 *"' +202+

#$' A6 L J ' 2 #+') '' 2+* /-0#0 4 .' 2 0 , "# *+ . 0-0 + .' 94+' "* 1 Z
3#"* 20 *"' +202+(+' "* ";F+'$"* 0'1 02"* -0 +8'030/0"(+*1'F0#0 ,0$+-$+*
0"* *"' "*

#$' AV L J) 40-2'' 94019-+#*"' '' *+' 94+ #0 2+*1 /0# 20 *"' +202+(
' 0#0 *0;+# ,"# '0#$0 2 # / 20 0 2 #++/0"E +' 2+*2'' +**+' . " . +-$'' ,+#2+'
1"2"* ?7 2 #+ $"* 94+' -0 .+* . 0 $ -:0 0294 # 2"(*+-$ 94+' ,"**0 ,#+R
$+-2+# #+*$ 14 /0"("4' -2+ . - *0/0'' 01/4$-0

#$' AC L J '' '0*'' 2+' 2 **"14'0'' 20 *"' +202+(*" . +-$+' "* *"' "*
+ +'$ 3"*(+-$0'' +8 *$+-$+*($++ .' 2 #+ $'' 0'' 301"# 2"* ";F+'$"* 94+' 0
+110 ,+#$+-'+ . (-0 ,#","#/0'' 20* 940-$ 0* '" .' 94'' '020 4 .' $ 3+# '"-R
$# ;4 2"

! ' (? @# ' ' *

#$' AW L J ?' *"' '' -*,+'$"# *+#0 ";# /02'' 0 '" . ,0#+'+# -'' * $ ''
20 +8'030/0"(+' 0 ,#+* 2 # 0 . +* . 0 -"* 2 0* 94+' :+' '" . ,+$ #+ . (2+*2+'
' '" . +/'' 0$+' 0'' .' 2"* $#0;01:"* 2 0# "*

#$' I? L J +-- -02'' 94+' *+F0 '' $+ . ,'' 20 *40' -*,++/0"(0,#+'
+-$0#0 0 2 #++/0'' 4 . 0 "1:0 '" .' '' -4 . +#'' 2" $#0;011 02"#+*(2 0* 2+'
$#0;01:"(+' F"#-01' /0-:"(,0#0 *+# 10-/020 -'' 1 3#'' 20 2+*,+G0

' 4- '"' *$0 d"1:0(2+," * 2+' *+# 0** .' 10-/020(*+#0 #4;# '020
,+1'' ,#+* 2+-1+("4' ,"# 94+#-' *40* 3+G+*) G+#(+' +-3 020 0'' $1 +*"4'
#+ #"5 ,0#0 20# 1:+' ,0/0 . +-$"(+' 0#' : 301 0

#$' I A L J ?' *"' '' -*,+'$"#(-20 0 *40 -*,++/0"($0 . ;+#0 0,#+'
+-$0#0 72 #++/0'' 4 . 0 #+10/0'' 2"* ";F+'$"(94+' $ 3+#+ .' * 20 2+*'"'
;+#$"* -0 +8'030/0"

! ' h'@# ' <'

#$' I0SJ ' 0**+ . ;1+0' /+#01' #+4-+ *+' -+'+**0# 0 . +-$+' 4 . 0' 3+G'
'020' 0--"(+' *+ . ,#+' 94+' "# +8$#0"#2 -0# 0 . +-1" '"-3"'020' ,+10' 2 '
#+''0" 20' *"' +202+

]' ALL ' 0**+ . ;1+0' /+#01' ,"2+#2' 4-'' "-0# *+ . ,#+' 94+' +*1 3+#+ . '
#+4- 2"*(,+1" . +-"*(. +102+' +' #00 * 4 . ' 20' $" 01 202+' 2"*' *"' "*' +-$0"
+8 *$+-1+*' + . ' +$4;01

]' IS +(,"# -(-0' ,# #0+ #0' #+4- 0" -0"'" . ,0#+'+# +*$+' -4 . +#"(
-5+**0' . +* . 0' *+**0"' *+' 80#2' " 2 0' + . ' 94+' 2+3+# ' $+# 1"/0# 0' *+/4-20'
#+4- 0"(-0' 9401' *+' ,"2+#2' 2+1 ;+#0# +' #+*"13+# '" . ' " -4 . +#" 2"*' *"R
' "*' 94+' +*$ 3+#+ . ' ,#+*+-'$+*

]' 7 S #< 0' 0**+ . ;1+0' /+#01' *2 -+-$+' *+' ,"2+ . ' ,#",+# +' 2 *'4$ #'
. 0$+# 0*(94+' $+-1 0 . ' #+10 0" '" . ' " .' 20' *"' +202+E ' 0;*"14$0 . +-1+'
,#": ; 2" $#010# 94+*1"+*' 2+' ,"1 $ '0

#$' I7SJ ' 0**+ . ;1+0' /+#01' ,+#$+- '+<

; S "#00# '"-$0*' ' 2 #+'/0"(+' 2+1 ;+#0# + . ' 41$. 0' -*$0-' 0' *" '
;#+' $"2"*' "*' ";F+'$"*' 2+' -$+#+**+' 20' *"' +202+(-0' "# . 0' 2" 0#$' DS

I ' S 1+/+# ; +--01 . +-1" ' ,#+* 2+-$+(3 '+ ,#+* 2+-$+(+' . 0 * . + . '
;#"*' 94+' B +3+ . ' '" . ,"# 0' 2 #+' 0" 20' *"' +202+(-0' "# . 0' 2" 0#$' VS

7 ' S "2 '0#(01$+#0#("4' 0 . ,1 0# 0* 2 *,"* '"+*' 2+*$+*' +*$014$"*(
*4;#0+$$+-2" ," *' +**0* 01$+#0/"+*' 70,,#"30/0" 2" /"3+#-" 2+' *40'
. 0/+*$02+

#$' I>SJ ' 2 #+'/0" 20' *"' +202+' '"-3"'0#>' 0' 0**+ . ;1+0' /+#01'
$"20*' 0* 3+8+*' 94+' " F41/0# -+'+**0# "("4' "# ,0#0' **" -*$020',"# '0#$0'
0** /-020',"# 3 -1+' *"' "*(,+1" . +-"*

! ' ? ' J'# * '

#$' IDLJ *' 4-2"*' 20' *"' +202+' -0" ,"2+ . ' $+# "41#0' 0,,1 '
'0/0"(94+' -0" *+F0' '"-'+#-+-$+' 0"*' -*' 20' . +* . 0

#$' I6SJ ' 2 #+'/0" . 0-20#0' ,4;1 '0# ,+10' . ,#+-*0' 0' 2+*'# '
,/0" 2"*' ";F+'$"*(94+' *+' "#+ . ' 2+*'";# -2" -0' +8'030/0"E 0** . ' '" . "
4 . 0' *N-",*+' 2"*' #0;01:"*' 1 $$+#0# "*(94-' 11 +' $ 3+#+#0' * 2+' " +#+' 2"*

#$' ICSJ " . ' 2"*' $#0;01:"*' 2+' '020' 0--" 0' 2 #+'/0" 0# '
,4;1 '0# +/401 . +-1" - . 0' #+10/0" -4#0+# '0' 2+' $"2"*' "*' ";F+'$"*' . +-<
' "-02"*' -" 0#$ /" 0-$+'+2+-$+(+' 0' '"-$0' '"##+-$+' 20*' 2+*-+G0*' + $0*'
'" . ' "*' $#0;01:"*' 2+**+' 0--"

' 4- '"' ' 2 #+'/0" +-3 0# ' $0 . ;+ . ' 0' '020' *"' " $0-$" 0' #+10/0"
'" . " 0' '"-$0' . +-' "-020*

#$' ICSJ "2" " *"' " 94+' +8$#03 0# 940194+# ";F+'$" 2+*'" '
;+#$" -0' +8'030/0"(01+ . ' 2+' -'"##+# -0*' ,+-0*' '" . . -020*' -"*' 01'
30#0*' #+$#" ' 102"*(*+#0' #+*,"-*03+1' ,+1" $# ,1+' 2" *+4' 301"#+*1 . 0

$ 3"(+8'14 2"' 20' *"' +202"(+' *+-' ,#"'+2 . +-$"' , 4 ;1 '02"' -+10' #0 ' ,#+-*0

(I W= J * '0#/"*' '"- +# 2"*' 0"*' *"' "*' -0"' 24"' 2 #+ 1"' 0' "# ' 2+-02"(-+ .' 0' /#01 '0'0"' 01/4 . 0

! < ' ?((@ # ' ' '

#$ ' 7? S J +(," 53+-14#0("# ,#", "*$0' , "#' 01/4 -' 2"*' *"' " ' 0' 2 **"14'0"' 20' *"' +202+(-0"' , "2+#0' 0' . +* . 0' ,#", "*$0' *+# 2 *'41 20(-+ .' 3"$020' -0' *+**0"' + .' 94+' 1 3+#' * 2"' 0, #+*+-$020

' ASJ + $0' 94+' *+F0' 094+110' ,#", "*$0(0' 2 #+''0"' '"-3"'0# ' 0' 0**+ . ;1+2' /+#01' , "#' 0- -4-' "*' 2+' $# -$0' 2 0*' '"-*+'41 3"*(-0' "1:0' " R ' 01' 2"' /"3+#-"(+ .' 94+' *+' 2+'10#+' "' .' +*, +' 01' 20' '"-3"'0'0"' +' +' "' 2 0(;"#0' +' 1"'01' 20' #+4- 0"' 20' 0**+ . ;1+0

' I S' 94+110' ,#", "*$0' -0"' , "2+#2' *+# #+*"13 20' 0 # . 01 30#0*-$+(+ .' 940-$"' :"43+# 2+G' *"' "*' 94+' *+' ", , "- :0 .' ' 2 **"14 0"' 20' *"' +Z 202+

0 . "*' 0/"#0' " +#+'+# 2' '"-* 2+#0'0"' 2"*' 9 $"#+*' "*' 02"*' 94"' 0' 2 #+'/0"' 20' *"' +202+' , #0$ '"4("*' #+*41$02"*' 94+' , "2+' '"-*+/4 #(+' "*' . ,+2 . +-$"*' 94+' ";*$0#0 .' 0' '"-$ -40/0"' 2"*' #0;01;"*' +-'+102"* * 094' "' 94+' 0' 2 #+'/0"' 2 G 0' 0' *"' +202+' + .' AD' 2+' F41:"' 2"' ACD0<

K ' 2 #+'/0"' 20' "' +202+' #'1 +"1"/ '0' 4* $0-0' '4 . ,#+' ;"F+' 4 .' 2"*' *+4*' . 0 *' # /"#"*;*' 2+3+#+*' 0, #+*+-10-2" 3"*' "' #+10$"# "' 2+' $"2"*' "*' 0'$"*' , "# +110' , #$ '02"*' 24#0-$+' "' , # -+ #"' 0- -"' 20' *40' /+#+-' 0' 0*(, # . + #"' 94+' $42"(, +# . $$ (*+-1 "#+*(94+'(0' . +* . 0' 2 #+''0"' 0'0' 4 . 0' '4#$0' 2 /#+**0"' + .' 2+ +G0' *40(+' , 0#0' 94+' "' #+*, + $"' -0"' , "**0' *+# $0' 802"' 2+' "4*02 0(-+ .' "' 2+3+#' 2+' 0 . "# ,#; , # "

K ' 2 #+''0"' 94+' 3"*' $ 3+*$+*' 0' ;+- /- 2 02+' 2+' +1+/+#(-0"' *+' 0;0' 104)"4' 0' $" . 0# *";#+' *+4*' ;" . ;#"*' '0#/"' $0"' 0#24"(-+ .' 10#+ 0' $0"' +*, -;"*0(, "# *+' F0'$0#' 2+' , "**4 #' '0;+20' 2+' '"-:+' . +-1"*' ,#" 1'4"*' 0"' 2+*+ . , +-;"' 2+' $0"' . , "#$0-$+' . **0"E -0"(*+-;"#+*(0' 2 #+' 0"' #+' '"-;+' 0' 0' +*'0**+G' 2+' *+4*' '"-;+' . +-$"*(+' +*$030' -$. 0 . +-$+' , +' -+$#020' 20' -*4 ' +-' 0' 2+' *40*' 14G+*(+' 2+' *+4' 0, "4'02"' *0;+#E *+(, " *(0''+ $"4' "' '0#/"' '" . ' 9 1+' $0-$"' 0' ;"-#0*$+*(-0"' $"#0+ *' +**0' 0' '+ $0/0"("4' 0-$+*' 0''+2+ ' 0('" . "' 4 . 0' 0'/0"' 2+' 30-/1"# 0(-+ .' $0"' , "4'"' '" . "' 4 .' * . ,1+*' 02"' 2+' "4*02 0' 20' *40' ,0#$+($" . 0+ 0(* . (+' $0"' *" . +-$+('" . "' "' -3"14-10# "' . , 41*"' 2+' +#3+#"*"*' 2+*+F"*' + .' ,#+*' $0# . "*' -"**"' :4 . 12+')"-$ -/+-$+' +#0' ,#"1' 2#+*$+' -*$ 4+($" . 0+ 0' '" . "' 0' . 0 *' *"1+ . -+' 2+ ."-*$#0'0"' 2+' 2+ +#+-' 0(+' '" . "' 4 . 0' ,#"30' 2"' . 0 *' 3 3"' #+'"-:+' . +-$" ,0#0' '" .' 4 . 0' *"' +202+Z '4F0' B;0-2+ #0' 0' 2 #+''0"

*+ 1 *"-/+ 0 2+ :0*1'0#(+ 2+ 1+# 3 *$" *+'4-20# '" . 3"**0 /+-+#"*0 '"" , +#0'0" 5

" 2 #+''0" #+'"-:+'+-2" 2+*2+ 1"/" " / /0-1+*'" 20 + . ,#'*0(4 . 2"* ,# . + #"* ,0**+* 94" 2+4 " 2 # / # *+ 0 4#00 /#0-2" ,0#1+ 20* '0,0' 202+*(114*$#0/"+* + "#14-0* 25+*$+ ,0 G ,+2 -2" 1:+* " *"4 04 8 1 " ,0#0 " ,#"/#+**2 2+ 4#00 *"' +202+ 94+ -0*'+-2" 2+ 4 . ,+-*0 . +-1" /0-2+(2+ /#0-2+ 4-2" '0#+' 0 ,0#0 *+ ,"2+# *4*$+-10# + '0#0 -:0# 0" *+4 . E . 0*(*0130* :"-#"*0* +8'+, '"+*(+**0* -"$0; 1 202+* . "*1#0#0 . *40 ,"4'0 *N . ,01: 0 ,+10 *' +-' 0 0#':+"1"/ '0(*$" ($"# -0#0 . *+ -2 +#+-1+*(*+ -0" *4#20* 2* -"**0* #"/01 30* 0 . ;+ . 0 2 #++/0" #+'"##+4 0" /"3+#-" 2" 40 0/+*102+ . ,1"#0-2" *40 301 "*0 '"", +#0 0"E 0 ,# -' , " #+94+#+4 0 2 #+''0" 94+ , '10 #+, 0#1 '0" 20* "; #0* , 4;1 '0*(/ "3+#-" :"43+**+ 2+ :+ . 0-20# 20#(,0#0 *+#+ . + . ,#+/0 20* -0 +8'030'0"(01/4#00* +##0 . +-10*('"#0" ,0*(01030-'0*(+$'(+ 2 /0 *+ +#0 0;"-" 20 3+#202+(0 2 #+''0" -0" +-'"-1#"4 0 . +-"# ";F+''0" 0 +*$+ ,+2 2"(0-$+* 0 . +1:"# 3"-$02+ 20 ,0#$+ 2" #+*, +'$ 3+ . - *$#" 94+ 2+ ,#" . ,$" +8, +2 4 0* *40* "#2+-* ,0#0 94+ 0 +-$#+/0 25+**+* "; F+'$"* "**+ + $0 2 *"' +202+ 0 * $0#2+(,"#+ . (0 2 #+''0" -"30 . +-$+ *+ 2 # / 4 0" /"3+#-" 2+ 40 0/+*$02+ ,+2 -2" 11 + 1 '+4'0 ,0#0 94+ 2 *"' +202+ "**+ ,+#- 1$ 2" '"#$0#(+ 2 *40 '4*$0(01/4-* ,04* 2+ 4 . , H -:0 -0' "-0 * $402" -0* . 0#/+-* 2" 02"(+ 0 ,"4'0 2 *$0-' 0 1"'01 20 +8'030'0"(,0#0 "-2+ *+# 0 . 2+ 0' 1 '"-24''0" + 2+ . 4 4$ 1 + . ,#+/" *+#3 -2" 2+ +*+"#0* + +*$0'0* 2" 94+ 01 $0-$" *+ -+'+** $030(+ . 4 ,# -' ,01 . +-$+ ,0#0 *+#+ . 0, ,1 '02"* 0 '"-*$#4''0" 2+ 4 . '0## 1 94+ 0 2 #+''0" *+#0,#+ $+3+ . 4 $" +#0 3 *$0(" 9401 0**+-$+ 2+*2+ " 1"R '01 20 +8'030'0"(' 01#03+**0-2" 0 1 -/40 2" 1+ #0 0$+ 0 . 0#/+ . 20 10 / 0 94+ 11 + 'O #"-$+ #0("1 +#+'+# 0 4#00 . . +-*0 30-$0/+ . -0 +8, + 2 '0" 2" $#0;01:"(+ #0, 20 #+#0"'0" 20* 0#+ 0* ,0#0 " 102" 2" *41 /"3+#-" 2+ 40 0/+*$02+ $" . 0-2" + . '"-* 2+#0'0" +*$+ #+94+# . +-$"(2+4 1:+ #0, 2" 0-20 . +-$"(+ ,#"'4#"4 '"11 +# $"20* 0* . "#. 0' "+* -+ '+**0# 0* 20(* #+*, +'$ 30* 04'$"# 202+*E . 0* - +1 G . +-$+ +*$+ -+/"' " -0" '1 +/"4 0 ";$+# " 2+*+F02" 2+*, 0':"E "4$#"* -+/"' "*(+ *+ . 243 20 . 0 * /#03+* 25+11+ $+# 0 . 2 *$#0 2" 0 0$$+-'0" 2" /"3+#-" " . +* . " /"3+#-" 2+ *40 . 0/+*$02+(#+94+#+4 0 2 #+''0" 94+(0 +8+ . ,1" 2" 94+ '" . "4$#"* +*$0;+1+' . +-$"* *' +-$ '"* *" $ 9:0 ,#0$ '02"(*+ . 0-20**+ +-$#+/0# * *"' +202+(2" 2+,"* $" 20* +8$ -'$0* 1 3#0# 0*(4 . 0 ,"#'0" 2+ 1 3#"*('" . "* 940+* ,"2+**+ "#. 0#(F4-$0 0" *+4 . 4*+4(4 . 0 ; R ;1 "$:+'0(94+ *+#3 -52" 2+ ,"-2+#"*" 048 1 " -" +*$42" 20 *' +-' 0#0#R ':+"1"/ '0 9-+ 0;#0-/+ $0" 30*1"* + 30# 02"* #0 ."* 1 $$+#0# "*F " +#+ '+**+ 0" . +* . " $+ -,"4 -0 "-$+ 2+ 114*$#0'0"(+ 4 . - '+-1 3" 2+ 2 * (

$#0''0"s ,#"3+ $"*0 0"*s :0; $0-1+*s 2+*$0 3 110(+s + .s +*,+' 01s s . "' 202+s *+14;01+-*+s 94+(10-'020 -0 +*1#020 20 ' 3 1 *0/0"(94+s 2" . -020 ,+10*s 2+0*s 20 +,"'0(10 . ;+ .s 94+# *0;+#($0 . ;+ .s ,#"'4#0 +*1420#E . 0*s -s +1 G . +-$+s -0"s s ,"2+s '"-*+/4 #(,"#94+s -+#0 1"2+*s $++ .s . + "*s ,0#0 '" .s ,#0# 1 3#"*(+s ,"#94+(,"# . 0 *s 94+s ,#"'4#+ .s -51 . 0 ,", 410/0"('",0s +$4;01(0 1+#'+ #0 $+##0 2"s #+ -"(-0"s +-'"-1#0#0"(*+s 94+#(4 .s 1 3#"s ,0#0 1+#1 "4;+ . "*s 94+s s /"3+#-"s $#0$"4 2+s ";$+# 0*s '"-3+- +-$+*s -s "# . 0)"+*s 0 +*$+s #+*,+ $"(*"4;+ . "*s 94+s :+s "#0 .s 2020*(-"s +-10-1"s s -+/"' s +*$0 0 -20 0 +'$"s 0"s /"3+#-"s 2+s 40 0/+*$02+(*+#0 94"s $+s -:0 $ 2"s *"14/0"($013+G ,"1"s . "$ 3"s 94+s F2 0' . 0 0,"-$0 . "*

+1+# . -0-2"s s 0#$s 7 S 2"*s -"**"*s +*$0$41"*s 94+s 2"*s ";F+'$"*s +-'"-$#02"*s -0 +8'030'0"(0 *"' +202+s "# . 0**+s 4 .s #04*+4(+ 2+*+F0-2"(0 2 #+'/0"s 94+s 0 *"' +202+s 2+s 0-$+ . 0"s ,"**4 **+s 4#00 '0*0 "-2+s -0"s *"s +**+*s ";F+'$"*s ,"2+**+ .s *+# #+*/40#202"*('" . "s $0 . ;+ .s 0 1 3#0# 0(0 94+s 01142 . "*(:"43+**+s 2+s *+# '"11"'020(2 # / 4 *+s 0 11 S s '0 . +#0 25+*$+s . 4- ' , "(,+2 -2" 1:+s '"-'+2+**+s s ,03 . +-$"s *4,+# "# +s '104* s $#"s 2"s +8$ -'$"s '"-3+-$"s 20 "021"#0(94+s "4$#5"#0 $0"s ;+11"s +2 ' "(-0"s +*'0,0#0 0"s 30-201 * . "s 2"s -"**"s *+'41"(+s 0: s FOG -54#0 . "-10"s 2"s #4 -0*0 s 11 U S'0 . 0#0 . 4- ' ,01 0''+2+4s 0"s -"**"s ,+2 2"(,#+*$0-2" *"s 0 *"' +202+s 0 ##+,0#0-2"s ,"4'"0 , "4'"(+s *+/4-2"s *40*s "# . 0*(0 ,0#$+s '+2 20 2"s +2 1' "E $+-2"(,"#+ . (+*$0 '"-'+**0"s * 2"s *4; . +1$ 20 2 0, s ,#"30'0"s 2"s '"-*+1:"s 2+s 2 *$# '1"(+*$+s 0--4 4s '" .s 0 '"-2 '0"s B-"1+ *+s ;+ .s 2+s 94+s 0 *"' +202+s *0 # 0 2"s #0+* ."s +2 1' "(+s *+ .s 2 #+ $"s 0 -s 2+ . - *0'0"s 01/4 . 0 ,"# 940+*94+# ;+ . +$"# 0* 94+s :"43+**+s +$"(-"s ." . +-$"s + .s 94+s 4 .s "4$#"s +*$0;+1+' . +-$"s 2+s . 0 "# 41 1 202+s ,0#0 01s "**+s . 0-202"s '"11"'0#< +*$0 '"-'+**0"s ,4#0 . +-$+s 114*"# 0 +94 301 0 0 4 . 0 $+# . -0-$+s #+,41*0 0"s ,+2 2"s 20 *"' +202+(*+-0"s . 0 * 01/4 . 0 '"4*0 s +94 301 0 0 ,"4'0 '"-* 2+#0'0"s 94+s - +1 G . +-$+s -5+*10 -"**0 $+##0 *+s 22 0 +*$0;+1+' . +-$"*s 25+*$0 "#2+ . (+s "s "-*+1;"s 2+s 2 *$# '1"s 94 G 20# 4 . 0 +84;+#0-$+s ,#"30 20 *40 ,"4'0 *N . ,0$: 0Z,+10 *' +-' 0 0#':+"1"/ '0< "s '"-*+1;"s 2+s 2 *$# '1"s '"-'+2 0 2 *"' +202+s 0 0'41202+s 2+s ,"2+# 1+30-10# 2"s +*$02"s 2+s #4 -0* + .s 94+s F0G "s +8$ -'$"s '"-3+-$"s 20 "0 "#0(,0#0(940-2"s ,#" . ,$"s "4 #+,0#02"s 2 '4*10 '1+s -0"s ,"4s '"*s *0'# 1' "*s 20 *40 ,0#$+(25+11+s *+# +8,41*"s 0 ,#+ +8$"s 2+s 94+s 4 .s "4 #"s +*$+;+1+' . +-$"s 2+s . 0 "# 41 1 202+s 01s 2+3 0 *+# '"11"'02"1s s 4 . 0 $01s '"-'+**0"s 0 2 #+'/0"s +-$+-2+4s 94+s -0"s 2+3 0 20# 0 . 0 * ,+94+-0 #+*s ,"*$0(-+ .s 0G+# 1:+s 0 . +-"# #+,1 '0(0/40#20-2" *+s 2'*2+s 1"/"s ,0#0 0 20# ,"# +*$0 "''0* 0"s +s ."2"

" 8:04*10 0[2 #+''0"s 2/s #+'4#*"*s ;s 2+s ,#"$+''"+*s +*$#0-:0*(01$0(2+s . +"*s +s 2+s 940194+# '"",+#0'0"(#"2+020 2+s . 1:0#+*s 2+s +. ;0#0/"*

,"2+# 0 .ˢ "*,+#0#ˢ +#0ˢ 3 *$0ˢ 20ˢ 940-1 0ˢ '" . ,0#01 30 . +-1+ˢ -* /- '0-$"ˢ 2+*,+-2 20ˢ +#0ˢ 10+*ˢ ";#0*ˢ *$0"ˢ :"F+ˢ 0ˢ 2+*'";+#$"ˢ 2"*ˢ 0#+0+*ˢ 20ˢ #" 0ˢ /#0-2+ˢ 940-$ 202+ˢ 2"ˢ '4 -0*ˢ 2+ˢ +2)' "*ˢ "''4,0-2"ˢ 4 . 0ˢ 0#+0ˢ 2+ˢ 6Dˢ ,01 . "*ˢ 2+ˢ -"#1+ˢ 0ˢ *41(+ˢ A6?ˢ 2+-0*'+-1+ˢ 0ˢ ,"+-$+Eˢ 0':0#0 . *+ˢ . 4 $0*ˢ 0-1 /401:0*ˢ +ˢ 240*ˢ . 1ˢ . "+20*ˢ #" . 0-0*("ˢ 94+ˢ $42"ˢ '"-*10ˢ 20ˢ #+10/0"ˢ F4-$0

K 0#0ˢ #00 *ˢ #+/410# 202+ˢ -0ˢ ,4;1 '0/0"ˢ 2"*ˢ ";F+'$"*ˢ 0':02"*ˢ -0ˢ +8 ˢ '030 0"("4ˢ ,0#0ˢ . +1:"#ˢ 2 G+#(,0#0ˢ *+ˢ ,"2+#ˢ ,4;1 '0#ˢ 2+ˢ 4 . 0ˢ . 0-+ #0ˢ . 0 *ˢ ,#+' *0ˢ +ˢ '"-3+- +-1+ˢ 0ˢ : *$"# 0ˢ 2"*ˢ $#0;01:"*ˢ 20ˢ *"' +202+(70-ˢ 2" 1:+ˢ $"2"ˢ "ˢ 14*$#+ˢ +ˢ #+01'+ˢ ,"** 3+ *(+-1+-2+4ˢ 0ˢ 2 #+'/0"ˢ 94+ˢ . 4 $"ˢ '"-3 # 0ˢ *+ˢ . ,# . **+ .ˢ "*ˢ *+4*ˢ --0+*('4F0ˢ ,4;1 '0/0"ˢ + +'$ 30 . +-$+ˢ '"-*+/4 4ˢ '" .ˢ "ˢ *#ˢ "094 .ˢ +-# 94+*ˢ #02+**"ˢ 20ˢ 13+ 0(2+;0 8"ˢ 20*ˢ '"-2)"+*ˢ *+/4 -$+*Eˢ 94+ˢ $"2"ˢ "ˢ 14'#"ˢ "4ˢ 2+*,+G0ˢ #+*4110-$+ˢ 25+*$0ˢ + . ,#+G0ˢ '"##+# 0ˢ ,"#ˢ '"-$0ˢ +ˢ # *'"ˢ 25+11+ˢ + . ,#+G0# "< +ˢ 94"ˢ 0ˢ 2 #+'/0"ˢ *"ˢ *+ˢ ";# /030ˢ 0ˢ "#-+'+#ˢ "ˢ $+8$"ˢ ,0#0ˢ "*ˢ . +*#0"*ˢ --0+*ˢ " . "(,"ˢ #+ . ("ˢ +*$42"ˢ 20ˢ *' +-' 0ˢ 0#':+"1"/ '0ˢ "**+ˢ +-$#+ˢ -"*ˢ $0"ˢ ,"4'"ˢ '"-:+ˢ ' 2"(+ˢ . 4 $"ˢ . +-"*ˢ '41$ 302"(*+ˢ -0"ˢ 0$+ˢ 2+*,#+*02"(0**+-$"4ˢ 0ˢ 2 #++ˢ 0"ˢ 94+ˢ "*ˢ --0+*ˢ "**+ .ˢ 2 3 2 2"*ˢ + .ˢ 9401#"ˢ *+''"'*('"-$+-2"< J A Uˢ *$"# 0ˢ 20ˢ "' +202+(*40ˢ 4-20/0"(*+4*ˢ $#0;01:"*(-"1 ' 0ˢ 2"*ˢ . "-4ˢ . +-1"*ˢ 0':02"*ˢ -0ˢ +8'030/0"< J I Uˢ +*+-:"*ˢ +ˢ *40*ˢ #+*,+'$ 30*ˢ 2+*'# ,ˢ /"+*< J 7Sˢ -*'# ,/"+*ˢ 0-$ /0*ˢ -+2 $0*(2+*'";+#$0*ˢ + .ˢ "#$4/01Eˢ +ˢ >Sˢ *20#+' . +-$"*ˢ *";#+ˢ 01/4-*ˢ ,"-$"*ˢ 24N 2"*"*ˢ 20ˢ : *$"# 0ˢ +ˢ /+"/#0,: 0ˢ 0-1 /0ˢ 25+*$+ˢ ,0 GEˢ 01/4-*ˢ 0#$ /"*ˢ +*'"1: 2"*ˢ *";#+ˢ 0-$ /4 202+*(+ˢ 940+*ˢ 94+#ˢ 2+*'# ,/"+*ˢ "4ˢ . + . "# 0*ˢ *";#+ˢ 0#':+"1"/ 0ˢ ?ˢ *#ˢ 0-4+1ˢ 20ˢ 0 . 0ˢ T0#"(,# . + #"ˢ 4-202"#ˢ 25+*$0ˢ *"' +202+(+ˢ -"**"ˢ 0-$ /"ˢ 3 '+ ,#+* 2+-$+(,+2 4ˢ 0ˢ +8"-+#0/0"ˢ 25+*$+ˢ '0#/"(20-2"ˢ ,"#ˢ +*'4*0ˢ "ˢ /#0-2+ˢ $#0;01:"ˢ 94+ˢ *";#+ˢ *ˢ 0ˢ ,+*0#(,"#94+ˢ "ˢ *#ˢ T0#"ˢ 2"ˢ . +1:"#ˢ /#02"ˢ +ˢ 3"14-$0# 0ˢ . +-$+ˢ *+ˢ +-'0##+/"4ˢ 20ˢ #+20'/0"ˢ 2"*ˢ . +* . "*ˢ --0+*(+ˢ $' . "*ˢ 0ˢ -$. 0ˢ '"-3 '/0"ˢ 2+ˢ 94+ˢ $+ .ˢ 2+*+ . ,+-:02"ˢ '*$0ˢ . **0"ˢ '" .ˢ ,#"3+ $"ˢ +ˢ :"-#0ˢ ,0#0ˢ +*10ˢ *"' +202+Eˢ . 0*ˢ 0ˢ ,"4'0ˢ +8$#0'/0"ˢ 25'*10ˢ ,4;1 '0 "(+ˢ 0ˢ -"**0ˢ 01$0ˢ 2+ˢ . + "*ˢ ,+'4- 0# "*(0#0ˢ '" .ˢ 94+ˢ $+# . -+ˢ -"ˢ 7 Lˢ -4 . ,#"

K?ˢ *#ˢ " "ˢ 20ˢ 4-:0ˢ +3+*ˢ +ˢ 0#301:"ˢ "#$4/01(-"**"ˢ *"' "ˢ '"#ˢ #+*,"-2+-$+(+ˢ ,+**"0ˢ $0"ˢ '"-:+' 20ˢ ,+1"ˢ *+4ˢ ,#" 4-2"ˢ *0;+#(+ˢ 30*$"ˢ '"-:+' . +-$"ˢ 20*ˢ '" *0*ˢ ,0**020*(. . "*+"4ˢ +*$+ˢ -*$ 4+ˢ '" .ˢ "*ˢ -SZˢ MA S(I Uˢ +ˢ 7Sˢ 2"ˢ ASˢ $" . "ˢ 20*ˢ '$0*ˢ 20*ˢ *+**"+*ˢ 20ˢ '22+ . 0ˢ +01ˢ 20*ˢ ' +-' 0*(#+101 30*ˢ 0"ˢ 0--"ˢ 2+ˢ AC>W("-2+ˢ 3+ .ˢ -*+# 20ˢ 4 . 0ˢ '4#$0(. 0*ˢ +#42 $0ˢ 2 **+#$0/0"ˢ + $0ˢ ,"#ˢ +*$+ˢ -"**"ˢ 0-$ 940# "ˢ *";#+ˢ 0ˢ * $40/0"ˢ 2+ˢ 8 ˢ 0'+#'0ˢ 2"ˢ 9401ˢ ,#" . +$1+ˢ 0,#+*+-$0#ˢ + .ˢ ;#+3+ˢ 4 . 0ˢ + . "# 0ˢ +*,+' 01

K +10ˢ '"-$0ˢ F4-$0(Mˢ 3+# *+ :0ˢ 94+ˢ 0ˢ *" . #00ˢ +-$#020ˢ -"ˢ '" #+ˢ 20ˢ *"

' +202+ " 2+ 5+ ; 99 #+ *(20 9401(+ . " ";F+'$"* $+-2+-$+* 0" . 2+*1+ -*1 $ $"(+ -0 +8'030/0" FO $+#O * 2" 2+*,+-2 20 O 940 O 2+ C7? I>7 #+ *E #+*$0-2" 0,+-0* +#O '0 80 O *"#0#00 2+ 7?7 777 #+ *(9$ + . ;#+3+ *+ +8$ -/4 #2

K . /"3+#-" *0; " + 114*$#02"(*+#O " 2+*,+-2 " 2+ 4#O #+01(+ *+#O # 2+ . "2+ 01/4 . *";#+'0##+/0# " -"**" 2+ 1-;02" $:+*"4#"(;+ . ,"2+# O . 4 1" '"-1# ;4 #(*+ 2 **" $ 3+#O 2+*+F"*(,0#O O '"-*+#30 0" + ,#"*,+# 202+ 2+*$+ -*1 4"E 4#- '"#$+ 2+ . 02+ #0* +#O 01/4#O 2"* , -:0* -0' "-0+*(4#- ,+94+-" '"-$ -/+-$+ 2+ ",+#0# "* 202" ,+10 #',0# $ '1 " 20* ";#0*, -;1 '0*(01/4 . 0* 24G 0* 2+ ;#0/"* 2"* "#/02"* 20* /OR 1+*(+ O 0,,1 '0/0" 2+ . 4 $"* + 2 3+#*"* -*1#4 . +-$"* + 41+-* 1 "* 9 + ,"# 0: $+#0"* ,+1"* -"**"* 0#*+-0+*($42" *$"(2 G+ . "*(-4 ,"2+#" *0 . +-$+ ,"2+# O '"-1# ;4 # ,0#O " ,#"/#+**" + '" . ,1+$" $# 4 . ,:" 2+*1O *"' +202+ *+#O " . +-"# *0'# ' " 20 ,0#$+ 2" -"**" :+*"4#"('"#- . + . +-*" ,#"3+ $" 2" +*142" 0#':+"1"/ '"(+ ,"# '"-*+/4 -1+ '" . /#0-2+ 30-$0/+ . ,0#O 0* *' +-' 0* + 0#1+* 2+*1+ ,0 G

0 " * 9-+(+-+'+#2 . -/40 + 0" 2+*+ . ,0#" O *"' +202+(94+ . + #+'+4 O :"-#O 2+ *+# ,10-$020 ,+1" ;#0/" "#1+ + /+-+#2*" 2+4#00 20* . 0 "#+* 114*1#0/"+* 2+*$+ ,0 GX ? A L 2494+ 2+ 01 . +110(2+ *+ . ,#+ *042"*O #+'"#20/ " ,0#O +*$O *"' +202+(-"* 2+##02+ #"* 2 0* 20 *40 3 20(F 1 " 94+;#0-102" 2+ "#/0*(FO $0" #0102" 2+ 0' :094+*(*4F+ $"4 *" '"-1+-$+ 0"* -'" . . "2"* 2+4 . O F"#-020 -3+#-"*0(+ ,"# '0 . -:"* 2+ "#$4/01) 4 G 2" ;" . /#02" *"1 #+# 0* ,# 30/"+* 2+ 4 . O :"*,+20/+ . ,#"3 -' 0-0(+*94+'+4 *+ 20* '" . . "2 202+*(2"* /"*"* + 2" 04*$" 2"* ,010' "* 2"* /#0-2+* *" ,0#O 20# O 2+ . "-*$#0/0" #00 * ,1+-O 2" *+4 . 4 $" 0,#+/" + *N . ,0$: O ,"# +*$O *"' +202+(94+ ,/#"4 O 3+-$4#O 2+ *+# -04/4#020 *";' O ,#+* 2+-' O 2+ *40 +8 U + '4F" 0'$" $0" *"1+#0-+ + ,#01 '02" -" . + " 254#O F4;1" #+-+1 '" ' 2+ 0,,104*"* +-$:4* 0* $ '"*(F0 . 0 * ,"2+#2 *+# 0,0/02" 2"* '"#0/"+* 2+ $"2"* 9 0-$"* " ,#+ *+-' 0#0 . ? ,";#+ 2494+ 2+ 01 . +110 2+*'+ 0,#+**4#02" 20 *40 +1+ 3020 #+/ 0" 0# *$"'#0$ 'O ,0#O 01+/#+ + 0 03+1 3 # *+-$0# *+ -" . + " 20 #+4- 0" . 0 * ,",410#(O 2+81#0 24'01 -0" :+* $O + . $"'0# O . 0" ,1+;+0(O "' +202+ #':+"1"/ 'O #+,#+*+-$020 ,"# 4 . O 2+,4$0/0" + '" . +*#0+#020 ";*+94 "*O '"#$+G O #+'+; 20 + .Z *+4 ,010' "("* . + . ;#"* 2+ 94+ +110 *+ '" . ,"+ $+ . O 2 *1 -'$O :"-#O 2+ ;0-94'$+0#+ . 2 *40 . +GO((94+ 3+#/O '0##+/020 2+ 94+GO + . 0/- '+-2 0("* ,+#*"-0/+-* 2+ *40 114*$#+ 0 . 1 O 2+*3+10 . *+ 7,"# O + . #0*/"* 2+ 4#;0- 202+ " '0$0 1"/" 2"* . + . ;#"* 20 *"' +202+ '+-10" 0;#1:0-$02" +"#O " +* . 01$+ ,#+ '10#" + ,# . "#"*" 2" -" . + 20 +8'+11+-$ ** #00 *# U 2494+GO 2+ 01 . +110($N," 2+ 3 #142+(2"/4#O + 0 0;1 202+(. "2+1" 2+ -0" '" . . 4 . ;+-+

'+-' 0' +' #0#0' /+-+#"* 202+' "#0' 94+' ;+- /- 202+' *' #+,#+*+-$0-$+*' 2:+*$0' 0**"' 0)0"' 011' *0"' 0'"1: 2"*(9 0-10*' -+G0*(2 /0 . "1 "' 0** . (:+*' *0"' ,#"2 /01 *020*' ') 4+' +8,#+**"+*' 2+' 0 + /0"' +' #+'"-:+' . +-$"(2+' #+*,+ 1"' +' 3+-+#0/0"' 01' *+' -0"' $#"'0#0 . ') 40-$"' ,"2 0' "' #+1 / "*"' 0 . "# 2"' -";#+' 2 9 +' ,+10*' *' +-' 0*' +' 0#F+*($F-0-$"' ,"2 0' 0 *40' -" ' ;#+G0' 2+' '0#0'$+#(/#0-2+G0' 2:01 . 0' +' +1+30/0"' 2+' +*, # 1"1' #142+*' *4R ;1 . +*' 94+' *"4;+#0 .' - 4-2 #' +' - --2 #0"' +1+#-0 . +-$"' #+*,+ 1"' +' 02' . #0'0"' 0"' -"#-+' 2"' /#0-2+' :" . + . (,"#94+' "' 2494+' 2+' 01 . +1 0' 0'0' ;"4' *+4*' 2 0*' 3+-+#02"' +' 0;+-/"02"' 2"' *+4' ,0 G

K?' -"**"' 0'$401' ,'+* 2+-$+("' +8'+11+-1 ** . "' 2494+' 2+' 01 . +1 0(2 /-"' :+#2+ #"' 2"' -" . +' +' 01 0*' 3 #142+*' 2+' *+4' ,0+(2:+**+' -" . +(#+' ,+1 . "1 "(*N . ;"1"' 2+' /1"# 0' 2:+*$0' *"' +202+(+(," *(+' *+# ' '"-*10-' 1+ . +-$+' 4 . 0' 20*' *40*' . 0 *' "#$+*' +' -0;0103+ *' /0#0-1 0*(94+' 0' 1+30' 0' 0+#+2 $0# 94+' *40' + . ,#+G0' F0 . 0 *' 2+ 80#0' 2+' '0 . -;0# 0"' *+4' .

K 0*' 94+' 2 #+ . "*' 2"' -"**"' 04/4*$"' ,#"$+'$"#X' 40' 0/+*$02+' R #+0' 1+302"' 2:+**+' +#3"#"*"' G+1"' +' -$+#+**+' ,+10*' *' +-' 0*' +' 0#1+*(94+' -4-'0' 01$"4' 0"*' -"**"*' ;"-*' #+ *(;+" /-0 . +-$+' 2"' 01$"' 2"' $:#"-"' 10-' /"4' *+4' . 0-' 2' ,0#0-N . ,1 01' *";#+' 4 . 0' 0**"' 0/0"(94+' F0' :"F+' 0/#02+' ' 20' #+'"-;+'+' "' +/#+/ "' ,01#"' - "' 2+' 4 .' #+' . 0/-0- ." +' /+-+#"*"' ' -". +' +8'+1*"' 2+' ' +-# 94+'+-2"' 0*"' +202+(2' "' *+4' . 0 "# +8,1+-' 2"#($+ .' * 2"' "' *+4' . 0 *' ,"2+#"*"' 048 1 "(+' *+#0' 0 +*1#+110' 14 . -"*0' +' #02 0-$+(94+' /4 0#0' +*$+' -*$ 4+' 0"' 04/+' 2+' /#0-2+G0' +' ,#"*,+# 202+

K +# . -0#+ . "*(," *(0G+-2"' "*' . 0 *(+#3"#"*"*' 3"$"*' ," F N+##0"*' 1"#-020*' + .' 0,#0G 3+ *' #+01 202+*' 0*' 1 *"-/+ #0*' +*,+# -/0*' 94+' * -'+#0' . +-$+' -41# ."*(+' ,0#0' 94+' 0' 3"G' 94+' 2:+*$+' 1"/0#' "4*0 ."*' 1+30-$0# ,"**0' *+# ;+: /-0 . +-$+' "43 20' ,+10' +8'+1*0' ,+**"0(,+#*"-0/+-*' +' 114*' $#02"' /"3+#-"' 0' 94+#- #+*,+ $"*0 . +-$+' -"*' 2 # / ."*

0 010' 20*' *+**"+*' 20' 2 #+'/0"' 20' "' +202+' #':+"1"/ '0' 4* 10-0(+.' AD' 2+' F41$"' 2+' ACDA J B' ' ; ' ' 3 '+ ,#+* 2+-$+E J' # ' ; ' @ ' ' @ ' 5 ' ' ; @ ' : ' 6 ' : ' *+'#+$0# " H % ' ' * * ' $ ' - ' ' - ' 2 ' ' : >

KA' --+1' 2+' "4#"(0;+# .' +' *4 ' +-1+ .+-$+' #0;01:02"

KA' "1- . -001+' . 0# . "#+' 0G- 02"($+ .' " $"' ,01 . "*' 2+' 01$4#0' +' ,01#0"' +' . + "' 2+' 2 0 . +1#"' -0' *40' . 0 "# /#"**4#0('" .' *+*4' #+*,+'$ 3+' '0, $+1' '"#N-$: "(+' *40' ;0*+

$ ' "*' ,#",# 0*' 2+' . " -:"' 2+' . 0"

$ ' ,#+/"' 2+' '";#+' '" .' *+ *' ,"11+/020*' 2+' '" . ,# . +-$"

$ ' 13 0"' 2+' +##"' '" .' /4 . +' 2+' . 0+;02"(. 0*' $"2"' "8N202"

1' *1N1"" 25"**"
KA' 1 1-'$+' /#0-2+' 20' .+* .0' .01+# 0
KA' /4 +10' 10 . ;+ .' 2+' "**"(. 0*' 94+;#020'
+1' 10' ,#",# 0' ,0#0' 0G+#' #+2+(
' #0/ .+-$"' 2+' 3+#2+' 0 $ /"'
+1' #0/ .+-$"' 2+' ,"# 2"' 3+#2+
' #0/ .+-$"' 2+' 4 .0' *4;*$0-' 0' . -+#01('10#0+' #0-*,0#+-1+(. 4'
*+ .+1:0-$+' ' '0- "#0
' #0$"' /#0-2+' 2+' ;0##"' *0/4-$ -"(94+;#02"(. 0*' '"-'+#102"'
'" .' /#"**+*' /0$+*' 2+' ': . ;"
' 0 .,020*' 2+' ;0 #"' *0/4-$ -"'+ . ,+# + $"' +*102"' 2+' '"-*+#30'0"'
+ ' 0*"*' 2+' ;0##"' "#2 -0# "(0' . "2+' 20*' -"**0*' ,0-+110*(. 0*' *+#0'
0G0*
+1' 4-2"' 2"' 4#-' 25+*1+*' 30*"*('"-$+-2"' 0 -20' #+* 2 "' 2+' '0 .+' +'
"**"*
+I' 0*"*' '" .' + $ "' 2+' $ /+110*('"-$+-2"' 0 -20' 4 .' #+*1"' 2+' '" . 20'
+I' 0*"*' '" .' 0' "# .0' 20*' -"**0*' 01#0"$"1 0*'
+I' 0*"*' '" .' + $ "' +' ;"'0' 2+' '0-/ #0"'
"I' 0*"*' '" .' 0' "# .0' 2"0' -"**"*' ,4'0#"*($+-2"' 4 .' 240*' 0G0*'
+V . ,1 "#0*' 2+' "# .0' '"- '0(. 0*' ," ,'0*' + .' ;"#0' +*102"'
+D' . ,:"#0*' 2+' 2##00' 'N1 -2# '0E' 4 .0*' + .' ;"#0' +*$02"' +' "4$#0*'
94+;#020*'
+1' 4-2"' 2+' 4 .0' 2 $0' '"-*+#30-2"' 4 .' #+* 24+' ; 14#0 -"*"'
'V 0 .,020*(. 0*' 940*' $"20*' #0'$4#020*'
+1' 0*"' 10'# .0$"# "'
+1' F"1"' 2+-$02"'
+1' $"' 940#$+02"'
+1' $"' ' #'410#(
+1' $"' *+ . ' #'410#
+1' $"' '" .' 0' "# .0' 2+' 4 .' ,0#011+1"/#0 . "'
+1' +1:0(2+' ;0##"' 0 .0#+110'1"(0':0$020' +' 102+020' 2+' 4 .' ,+94+-"'
#+*01$"
+ +#+-$+*' $+1:"'*' #0/#0+-$"* 2+' ,0#+2+' , -1020' +' . 4 $0*' "4$#0*'
,+94+-0*' 0-$ /401:0*
% ' ' ' ' ' ' *2- ' ' '
e ' :
5 ' ' * >A3 ' +*,0* 0-4*' AE' 2+' 1+80-2#+' +3+#4*'
&
e 5 ' ' >J +' #0F0-4*' AE' +' -$"- -4*' AE' 2+' "#'
2 0-4*' 4*' AF' 2+' 0#'4*' 41 4*' : 1 , ,4*' I E' 2+' 011 +-4*' AE' 2+' 1042 4*

"1:1'4 AE 2+ 0#4 E 2+ 4 .+#0-4 AE 2+ "'1+'0-4 AE 2+ 0R 8 . -0-4 +#'41+ < 2+ "-*$0-'4 :1"#4 IE 2+ '-4 +-"# AE 2+ 08+-14 AE 2+ "-*$0-1-4 0/-4 E 2+ #*,4 IE 2+ "-* $0-$-4 4-"# E 2+ "-*$0-7E 2+ 0/-+-'4 AE 2+ +'+-$4 IE 2+ 1034 414 "-*$0-'4 A>E 2+ "-*$0-'4 0114 AVE 2+ 410 -4 B ,"*$0$0 IE 2+ 01+-$-0-4 +-"# C?E 2 #0$0-4 7>AE 2+ 0 1+-$-0-4 4-"# 7>E 2+ 0/-4 08 .4 AC7E 2+ :+"2"*4 +-"# >ACE 2+ 10'110 >E 2+ #'024 II CE 2+ "-"#4 IA?E 2+ ".0 /0 1+020 AE 2+ "-*$0-$-",10 /01+020 E 2+ #4*$0 >7> J "$01 I??V S

+-1"#+* J 3"**0 2#+''0 #++1+$0 +.0**+.;1+0 /+#01 2+I> 2+2+G+.;#" 2+ AC7>(04'$"#*020 ,+1" 0#$/" U 2"* #+*,+'$3"*+*$0 4"*(+.'4.,#.+-$" 20 2+1;+#0/0" 20 .+*.0 0**+.;1+0 /+#01(9-+ #+*"13+4 94+"* 4-2"* 20 *"'+202+*",2+#0#0 *+#0,,1'02"* *+/4-2" $+#.-0-$+2*,"*$" -"* 0#$/"* L+ L 2"**;4* +*$0$4$"*(3+.0* +*$0 3+G 20# N"* '"-$0 2"* $#0;01:"* 0 94+.0-20#0 ,#"'+2+# -0* #4 -0* 20 0-$/0 +$";#/0(+940+* "* #+*4 02"* ";$2"* +.#+.4-+#0'0" 2"* +* "#/"* 20 *,' +2029

K 0 01$00;*"14$0 2+*"' "* 94+(-0 '"- "#. 202+2" 0#$/" A? L 2"* +*$0$4$"*(*+ 94 G+**+.,#+*$0# 0 # -*,+'' "-0# "* $#0;01:"* 20 +8'0 30'0"(-;.+"4 0 2#+'/0" 4#- -2 3 24"(94+ 0,+20* *+#3 **+ 2+ 0,"- $02"#($".0-2" +110 *";#+ *$"2" " '4 202" +#+*,"-*0 X 1 202+ 2"+.+ $:"2" 0 *+/4 # -"* $#0;01:"* 94+1 3+#0.'1"/0#+.'2 +#+-$+* ,"-$"* 20* #4 -0* 2+ +$";#/0(,"#94+(0 01$0 2+#+'4#*"*(+'"- 0-2" *+ $0" * .+-$+'".' "* ,"4'"* .+"* 94+ -" #+*$030.(0 2#+'/0" +-$+-2+4(94+ .+1:"# .+$:"2" 0 02",$0#(*+# 0 0,01,0# " $+##+:"(-5+**+* 2 +R #+-$+* ,"-$"* 94+ +8,1"#"4 24#0-$+ $#+G+ *+.0-0* -$+#,"1020*(' ".+ 0-2" 0 +8'030/0" +.'7 2+ -"3+.;#" 2+ AC77(+ *4*,+-2+-2" 0 +.' AI 2+ 0;#1 2+ AC76

0 #+*41$02" 2+*$0 +8'030/0" "(94+ ,#"8 ." 0 +#. 20 2+ "**0 +-:"#0 20 #" 0(+F4-$" +.;"'024#0 20 10/"0E 2+*'";#4 *+ 4#-+2)' " 2+ "#.0 '#'410#(' " ." 2 0.+$#" 2+ A7 ,+* +A?," +/020*(+- '"-$#0-2" *+0-20 0" 01$" 20* ,0#+2+* %,#-' , " 20 0;";+20 "4 '4,410 94+ +':030 +2 ' "(+94+ ,0#+'+ $+# * 2+ 2+*$ -02" 0 ;0-:"* 0* ,0#+2+* :0 $#+* - ':"*($+-2" '020 4 . , +* + > ,"11+/020* 2+ 01$4#0(+ , + + ,"11+/020* 2 i 10#/4#0(+94+ *+#0-0 $0132G 02"#-02"* '" . +*$0$40*(0 -*" 2"* #". 0-"* . #+-$+2+4 . 2"* - ':" :0 4 . 0 ,"#$0(94+ *+F41/0 *+# 0 94+ ,# .+#" 2+4 *+#3+-10 > '0*0(.0* 94+ 2+," * "#0 +':020 '" . "; #0 2+013+-0# 0 " 102" 2 #+ $" 2+ $0 ,"#$0 +*$0 0 ,0#+2+ '"#$020 2+ 4 .0 #00-+#0 .,+# +$0(20-2" *+ ,"# +*$+(0-$+* ;4

#0 ' "' 94+' , "#$0(*0 20' ,0#0' 4 . ' '"##+2"#("# . 02"' , "# 2" *' . 4#"*' 2+* ' +/40+*($0-$"' + . ' 0114#0' '" . "' + . ' '" . ,# . +-$"E . 0*' 0"' 4"2"' 2+*1+' '"##+2"#' * ' *+' +-'"-$#0#0 . ' ,0#+2+*' 2+##"'020*(94+' 30"' +-$#0-2"' ,+1"' . "##"' 20' 0#+ 0(0"' ' . "' 2"' 9401' +*$2' '"-*1#4 20' 0' +# . 20' 2+' "**0' + ' -:"#0' 20' #" 0(94+' $0 . ;+ . ' +*12' :"F+' + . ' #4 -0*

$ ' ':0"' 20' '0*0' +' 2 3 2 2"' +#0' 240*' ,0#$+*' +/40+*(,"# 4#-' . 4#"' 94+' *+#3+' 2+' 013+"' 0' 2" *' 10-94+*' "4 ;0-:+ #0*(2 3 2 20*, "# "4$#"' . 4#"' 94+' ,# -' , 0' -"' '+-$#"' 2"' '0*0("# . 0-2"' 0-/41"' #+'$"' '" . ' "' ,# . + #"(+' -20-2"' -0' ,0#+2+' 2"' +2) ' "' *' 10-94+*' "4' ;0-;+ #0*' $+#-' >' , *' +' ,"11+/020*' 2+' ,#" 4-2 202+E *0"' '"-*$#4 2"*' 2+' 0#/0 . 0**0' * /- -0(94+' ' 4 . ' 0 . 01/0 . 0' 2+' '01' '" . ' 0#+ 0' +, +2#0' . 420(+' * . 1:0-$+' 94+110' 94+' #+3+*$+' 0*' . 4 $0*' *01/02+ #0*(94+' *+' +-'"-1#0 . ' -"' . + "' 20*' #4 -0*' 2+' +$";# /0' -'"-$#0#0 . *+' 2+-$#"' 2+*$0' '0*0(4#00' . "+20' 2+' '";#+' ' 41' "-*$0-1 -4*' ";' ' +' 01/4-*' ,+20/"*' 2+' 0 . , :"#0*' 2+' ;0##"(+' ;"+02"*' 2+' 3 2#"

K ' 2 *$0-' 0' $013+G' 4'' 44*' 144' . +$#"*(0' *4*4+*$+' 2"' +2) ' "(94+' 1+30 . "*' 2 $"(+' 0"' 1"-/"' 20' 010/"0(2+**"1+##0#0 . *+' 4 . 0*' :0# . 0*(+' -+110*' #0' 4 . 0' 20*' *010*("-2+' 0 -20' *+' 2 3 *030' :03+#] 2"' /40#-+' 20' 2+' #00# . "#+*(+-'"-1#"4 *+' 4 . 0' ;0-:+ #0' $0 . ;+ . ' /40#-+' 20' 2+' . 0#' . "#+' ' +*10' *010' +*$0' '"-$ /40' 4 . 0' "4$#0(94+' :+' 2030' *+#3+-$ 0("4' 94+' ,0#0' +110' $ -:0' '" . . 4- '0/0"(+' '4F"' ,03 . +-$"' ' 2+' . "*0 '"' 2+' ,+2#0' 24#0(2+' ",1 . "' $#0;01:"(+' 2"' 9401' *+' '"-*+#30 . ' ,||"#/"+*' + . ' #04 $"' ;" . ' +*$02" ' . 0' "4$#0' *010' *+' 2+*'"; # 4(+-'"-$#0-2" *+' 01' 0' ;0*+' 2+' 4 . 0' '"14 . -0' 2+' . 0# . "#+' ;#0-'"('4F"' 4*$+' 2+3+# 0' $+# $ 2"' 4-*' 2" *' +' . +"' ,01 . "*' 2+' 2 2 . +$#"' ' -5+*$0' *010' 0':0#0#0 *+' 4 . 0*' '+-$"' +' " $+-$0' . +201:0*|| #"#00-0*($"20*' 2+' '";#+' +' + . ' /+#01' #4*$0*

K)540-2"(+#0' 0**+ . ;1 0' /+#01' 2+' IC' 2+' 0/"*$"' 2+' ACDA(*+' 0, ,#" ' 30#0 . ' 0*' '"-$0*' 0, '+*+-$020*' ,+10' 2 #+'/0"(2030 *+' +-$0"' '" . "' #+'+ $0 0' 940-$ 0' 2+ ' A<A>A'+)9)

" . "' 2+*, +-2 2"' -0' ,# . + #0' +8'030/0"(+' + . ' ";F+'$"* '"-'+#-+-$+*' 0"' 1 . ' 20' *"' +202+' 0' 940-$ 0' 2+ ' (C76BDI>D

+*$030' , "#' '"-*+/4 -$+' + . ' '" #+' 0' 940-$ 0' 2+ ' 7?DBD7DD

5+-$0"' ,0#0' ' (0$+' I>' 2+' 2+G+#0;#"' 2+' ACD>(:03 0' 2+*R

, +-2 2"' 0' 2 #+'/0"(, "#' '"-$0' 20' *f"' +202+ ' AD DIV?

'"4' , "#' $0-$"' + . ' '" #+' 0' 940-$ 0' 2+ ' ' IW? D?CD

5+*$0' 41$. 0' +8'030/0"' 2+*, +-2+4 *+' 0' 940-$ 0' 2+' I IWBDA>?'

. ' 03 *"*' , 0#0' 0' #+4- 0"' 20' *"' +202+(-"*' 2 0*' A>' +' IA'

2+' 2+G+ . ;#"' 2+' ACD6(0' 940-$ 0' 2+ 6??

I IW DV>?

6? D7_>d

) ' '

K ' ,+1"* 1 3#"* +' '"-$0*(94+' 3"* +*11 "' ,#+*+-1'*(,"' '#+ *' '+#$ ' '0# 3"* 20' 3+#0' 202+' 2+' $42"' 940-$"' #+*4 . 20 . +-1+' 094 ' 3"* +8 , " . "* $$ +-:"#+* J +' 0' 21#+' '0"' " . ' 02 . -410' 940-1 0' 2+' I I W DA>?'#* (0,+-0* ' "#/0' 2+' +'"-" . 0*(2+' +* "#'"* +' 2+' *0'# ' "*(,"42+(2 /0 ' . "1 "' 0** . ($0'1+0# 094 ' +' 01 ' +**+* . . +-*"* 0#+0+*(94+' '";#+ . ' "* 2+* ' ,"F"* 20' 2+*$#4 /0"(0"* 940+* ' :0## 0 . "* J '#4 -0* 20' 0-1 /0' +$";# /0(94+' 0G+# 0/"#0(940-2"' 0' *"' +202+' ,"2+# ' 4- '0 . +-1+' 2+*,+-2+# 0' - ' * /- '0-1 ** . 0' 940-$ 0' 2+' #* ' 6?\D7>DX

";#+' +$+' ,"-1"(+' + . ' +"-F4-'$4#0' 10"' . "#0+-$"*0' +' 2)' 1(94+' 0' 2 #+'/0"(20-2" 3"* '"-$0' 20' . **0"(94+' F41/0' $+# '4 . ,# 2"' 10-$"' 940-$"' $:+' +#0' ,"** 3+1(3+ -' :"F+' "43 # 0' 3"**0' 114*$#020' ", - 0"('"- ' 0-2"' 94+' +110' *+#2' '0,0G 2+' '"-*+/4 # 94+' +*$0' *"' +202+(-04/4#020' *";' "* . 0 * 04/4*$"* +' 1 *"-/+ #"* 04*, ' "*(0 -20' #+$" . +' "' *+4' ,# ' . $ 3"' +8,1+-2"#(+' ,#+*$+' 0"' ,0 G +' >' *' +-' 0' 0#':+"1"/ '0' "* #+1+30-' 1+* *+#3 /"* 94+' *0"' 2+' +*,+#0#

+$4;01(+#0' 0**+ . ;1+0' /+#01' 20' "' +202+' #':+"1"/ '0' 4* $0-0' 0"* IA' 2+' 2+G+ . ;#"' 2+' ACD6 J , U ' ; ' ' 5 ' ; ' ' : ' W ' : ' *+'#+$0# " S

' *"' +202+' ':+/"4' 0' ,4;1 '0# $#+* -4 . +#"* 2+' 4#0' F"#-01('"#-' "' $ $41"' 2+'

0 4' ' ,# . + #"' -4 . +#"' -"' 0--"' 2+' ACD?(+' "* "4$#"* 2" * -"' 2+' ACDA' 0' . ,"#$0-$+' +*,+' 01 202+' 0' 94+' *+' '"-*0/#0 . (*0"' /#0-2+' . +-$+' -*$#4'$ 3"* +**+* $#+* -4 . +#"* 2"*

1+ . ' 20' : *1"# 0' 20' 4-20/0"' +' $#0;011 "* 20' *"' +202+(+-'"-$#0' . "* 01' 4#-' +8'+11+-$+' 0#$ /"(-$ $4102"' 9 ' ' ' * ' ' ** ' ' * ' ' ;+#0' '" . "' 14 . -"*0* -* ' ' ' $ ' ' ' ' ' ' : ' ,"# +8+ . ,1"(' ' ' * ' ' ' ' * ' ' D ' * 1' +-'"-$#0 . "* $0 . ;+ . ' 9 ' ' ' ' ' "' 94+' +#0 . ' "* : ' ' 0' 2+' #0/02' 2+' 01/4' 1 0* *

0*$. 0#0"* 94+' -0"' "**+' ,"# 4 0- +' 4 . 0' $01' ,4;1 '0/0"(+' -0"' . +-"* 94+' 2+ 80**+' 2+' +8 *$ # 4 ,0' *"' +202+' $0"' 4$ 1' -"* ,# . + #"* $+ . ,"*($0"' ,#" . +1$+2"#0' ,0#0' "' 4$4#+($0"' 3+#202+ #0#0+-$+' ;+-+ . +' # $0' 20' : *$"# 0' +' 20' 0#':+"1"/ 0

2' 3 . "* "* #+'" . . +-203+ * -" . +* 2"* 4-202"#+* 20' *"' +202+' +' ;+ . ' 0** . ' "* #+*41$02"* 94+' +*$0' ':+/"4' 0' '"-*+/4 #

,#"3+ 10#+- "*' 0/"#0' 0' -"1 ' 0' 2"' 01/4#00*' ,0#1 '410# 202"*(94+'
+-'"-1#0 . "*' + - . 0' #''+-$+' , -;1 '0BF0"<

K *$+*' ";F+'1"*'B"*' ' * ' 1 ' +8 *$ #0 -' ,"# . 4 1"'
$+ . ,"' 2+,"* 102"*' + .' '0*0' 2"' *#' +;0*$ 0"' 0# 0' +2#"*"' 0 . $"(
4 .' 2"*' ,",#0/02"#+*' 2%094+110' '#4G020' 0#':+"1"/ '0E 2+," *(2 1 /+-'
' 0-2"' 0 2 #+'/0"' 0294 # # 2"' /"3+#-"' "' '104*1#"' *4,+# "# 2"' +8$ -'$"'
'"-3+-$"' 20' "0' "#0(94"' *"' 0':030' -54 .' ."-$0"' 2+'#4 -0*(";# /0-'
2" *+' 0' #+,0#01 "' 2' *40' '4*10' ,0#0' 01' '"11"'0# "' . 4*+4' '" .' "*' ";F+R
'$*' +-'"-1#02"*' + .' #" 0(+' '-2"' 0 '0 . 0#0' . 4- ' ,01' '+2 2"' 20' . +'
:"# 3"-$02+' 0 ,"**+' 2%094+110' ,0#$+' 2"' +2)' "(' "' '"-*+1:"' 2+' 2 *$# '
'$"' '3"4' ' G+1"' ,+1"' -$"#+**+' 2"' ,4;1 '"' 0' ,"# 0' '"-2 /0"< K2"' 94+'
0 *"' +202"' *0 # 0' 2"' . '*#0"' +2 1' "(' +' *+#0' 2 #+ $"' 0' -2+ ." *0/0"' 01'
/4 . 0' ,"# 940+*94+# ;+ . + $"# 0*' 94+' :"43+**+' + $"(-"' . " . +-$"' + .'
94+' "4$#"' +*10;+1+' #0+-$"' ' ' ,0#0' 01' "**+' . 0-202"' '"1R
1"'0# H ' 2 #+'/0"' #+*,"-2+4' '" .' "' * 1'-' "' 0' $01' 2+*,0':"(202"' ,"#
-2 3 24"*' 94+' ,0#+' 0 .' 2+*'"-:+'+# "' 301"# 20' 0#':+"1"/ 0(-+/0-2"'
7*' +-' 0' +' 0*' 0#$+*' $0"' -* /- '0-1+' '0-1 -:"(94+' ,"# '+#$"' -0"' #' '
'4*0# 0 .' ,0#0' 940194+# ,#0/0' 2+' $"4#"*Z H

0' -2 '020' ,4;1 '0/4"' *+' 2' 0 -20' "' *+/4 -$+<

K ' *"' +202+(+-$#+/4"' 4- '0 . +-$+' 0"*' *+4*' ,+94+-"*' #+'4#*"*(
0;0-2"-020' 20' ,#"1+'/0"' 2"' /"3+#-"(94+(*+ .' 2 *,+-2 "' 2"*' '" #+*'
2"' 11 +*"4#"(0 ,"2 0' +' 2+3 0' 048 1 0#(14$"4' '" .' /#0-2+*' 2 '41202+*'
+ .' 940-$"' ,"2'(+('0,+*0#' 2+' *+# ,#"1+/ 20' ,"# *40' . 0/+*102+' +1 #+' '
+#-0-2"(+' ,#+* 2 20' ,+1"' 2494+' 2+' 01 . +110(,0#"4' '" .' 0*' +8'
,1"#0/ '*' ,"# 01$0' 2+' 2 -:+ #"("' 94+' +94 301+4' 0' 0'0;0#
' K "*' $#0;01:"*' 20' *"' +202+' :0' . ,#+**+*' "*' +*$0$4$"*(#+10$"# "*'
2+' ACDA' +' ACD6E' +' #+*' -4 .+#"*' 2"*' *+4*' . ,"#$0-$ ** ."*' '
*' *40*' ."+20*' F41/0 ."*' 94+' 3 +#0#0' :0' ,"4'"*' 0--"*' ,0#0' "' . 4*+4' 20'
'02+ . 0' 20*' +110*' #$+*' 2+' *;"0' *' #4 -0*' *0"' :"F+' . 4 $"' 3 * $0'
20*(+' ' *+4' ,#",# +$0# "' $+#-' 2 1 /+-' 02"' 0' "#. 0/0"' 2+' 4 . 0' '" . ,0'
-: 0' +*$#0-/+ #0' ,0#0' 0*' '"-$ -401% 0' +8,1"#0# Q

' 4 .' +*'# ,$"' *";#+' ."+20*' 9402#030' . 4 $"' -0$4#01#0+-$+' "' 0G+#
.+-/0"' 20' "' +202+' #':+"1"/ '0' 4* $0-0(94+' $0 . 0-:"' -4 . +#"' 2+'
."+20*' +-'"-$#"4' -0*' *40*' +8'030/"+*' ** #0' *4''+2+4' 94+' $0 . ;+ .

7 # * ' ' ' ' ' ' ' ' ' ' ' 2
' ' ' ' ' ' ' I ' ' ' # G# 0' "- 06

0&' %), 10&')+(0&' 1 " +*01 &' %1' ,0+, ' ')#G, ' &#1' $ #@% H ' 0) 0&' "0'
5 "#) "0"#" "' $#+&01#+,

. + - ' " - 0 * * + ' " ' 5 ' 5 * ' ' ' B2 " ' 940 0 $ # 0 1 0 . " * ' . ' 4 # - ' 2 " * , # + ' 2 + - $ + * ' ' 0 , 1 4 1 " * (' 2 G + - 2 " ' 9 4 + ' + # 0 ' AC6 > ' 0 2 - # 0 # 0 ' - 5 + 1 1 + ' - 4 # 0 + # " * 0 * . " + 2 0 * ' / # + / 0 * (' # " # 0 0 - 0 * ' + ' 2 + ' " 1 $ # 0 * ' - 0 / " + * (' 0 3 4 1 $ 0 - 2 " ' 0 * ' , " # 1 4 / 4 + G 0 * (' + ' - 5 + * $ 0 * ' - " 1 0 # 0 ' 0 1 / 4 - * ' + 8 + . , 1 0 # + * ' # 0 # " * Z

' 1 0 * 1 . 0 ' 9 4 + ' + # 0 ' # 0 G 0 " ' 2 0 ' " # 2 + # 0 ' ' : # " - " 1 " / ' 0 ' - 0 " ' , " * * 0 . " * ' ' " - ' * 0 / # 0 # 0 1 / 4 . 0 * ' , 0 / - 0 * ' D ' ' " # 0 # 0 + . " # 0 / 0 " ' 2 0 ' : ' ' # ' 9 4 + ' 4 1 1 . 0 . + - $ + ' : 0 ' * 2 " ' " ; F + ' $ " ' 2 0 ' . 0 * * " 1 1 ' $ 0 ' 4 # " * 2 0 2 + (1 # 0 ' - " . + ' . 4 $ " ' : " - # " * " ' 0 3 4 0 ' F ' - 0 ' # + ' + - 1 + ' : * 1 " # 0 ' 2 5 + * * 0 * ' # 4 ' - 0 * (' ' 2 " ' * # ' # 0 - ' * ' " ' 0 # 1 - * 0 # . + - $ " (" ' 9 4 0 ' 0 * + 8 , 1 " # " 4 ' ' " . ' 4 # 0 ' ' ' ' , ' < $ ' ' ' ' - * ' ' ' ' J

+ / * $ 0 # + . " * ' 0 " ' # 0 + - " * ' 4 . ' 2 " ' 4 # 0 + - $ " ' " ' 0 1 (2 + ' ' 2 + ' 0 / " * $ " ' 2 + ' A C V 6 (' 9 4 + ' 0 " ' ; + - + # 0 + # $ " ' + 8 , 1 " # 0 2 " # $ + * $ + . 4 - : 0 (' 2 0 ' , 0 # $ + ' 2 " ' / " 3 + # - " (' ' 1 " 4 3 " # ' + ' 0 / # 0 2 + ' # 0 + - $ " ' 9 4 + ' : + ' * 0 " ' 2 + 3 2 " * <

$ $ + - 2 " ' ' : + / 0 2 " ' 0 " ' ' " - : + ' # 0 + - $ " ' 2 + ' ' ' 1 + (, " # , 0 # $ ' , 0 ' D 7 ? 2 " ' 3 ' + - * , + ' $ " # ' 2 0 ' 0 2 + . 0 ' 2 + ' + 1 1 0 * ' # $ + * ' 2 $ * ; " 0 (" ' . 0 # ' 9 3 + G ' 2 + ' " 4 G 0 ' " 1 * $ + - (9 4 + ' " ' ' 2 0 2 0 " ' 4 ' 5 ' ' ' # + * 2 + - $ + ' + . ' 4 . 0 # 0 + * (+ . , # + : + - 2 + # 0 ' 0 + 8 , 1 " # 0 / 0 " ' . + 1 : " 2 ' 0 ' + ' * ' + - ' $ 1 ' 0 ' 2 " * ' # 4 - 0 * ' 2 0 ' 0 - 1 / 0 ' 1 0 - 0 (+ 8 * $ + - $ + * ' - 0 * ' 3 * - : 0 - / 0 * ' 2 5 0 9 4 + 1 1 0 ' ' ' 2 0 2 + (" ' ' " # # + - 2 " ' , " # * 4 0 ' ' " - $ 0 (- 0 " ' * " ' 7 * ' 2 + * , + * 0 * ' ' " . ' 0 * ' + 8 ' 0 3 0 ' / " + * (' ' " . " ' $ 0 . ; + . ' 0 * ' " 4 1 # 0 * ' - + ' + * * 0 # 0 * ' , 0 # 0 ' 0 ' # + # 0 " / 0 " ' 2 0 * ' 0 - $ / 4 ' 2 0 2 + * ' + - ' " - $ # 0 2 0 * ' + ' , 0 # 0 ' 0 ' , " * * 3 + 1 ' # + * $ 0 4 # 0 / 0 " ' 2 + ' 0 1 / 4 - * ' + 2 ' " * ' 2 + * ' ' " ; + # $ " * < ' : 0 ' , " # ' ; + # 0 ' " ' . + * . " ' 0 4 / 4 * $ " ' * + - : " # ' + - ' 0 # # + / 0 # # " ' / " 3 + # - 0 ' 2 " # ' 3 1 ' 2 " ' 2 * 1 # ' $ " ' 2 + ' # 0 / 0 (' 2 + ' 1 " 4 3 0 # " ' ; + - + # 0 + # $ " ' ' 2 0 2 0 " ' * 4 , # 0 ' ' $ 0 2 " ' , + 1 " ' # + 1 + 3 0 - $ + ' * + # 3 / " ' 9 4 + ' $ + # - ' , # + * $ 0 2 " ' + ' + * $ ' , # + * $ 0 - 2 2 ' 0 " * ' + * ' 1 4 2 " * ' 0 # ' : + " 1 " / ' " * (' 1 0 " ' , " 4 ' " ' /2 - + # 0 1 * 0 2 " * ' - " ' - " * * " ' , 0 G (' + ' 4 F 0 ' # 0 ' , " # $ 0 - ' 0 ' + ' ' 0 2 0 ' 3 + G ' . 0 F * ' # + ' " - m +) 2 0 ' , + 1 0 ' * ' + - ' 0 ' 2 0 ' ; * $ " # 0 Q

' ' ' ' ' ' ' ' '

0 ' ' 2 + ' - " 3 + . ; # " ' 2 + ' AC76 ' " ' -*$04#020' +*$0' *"' +202+(," # + + $ " ' 20' - ' 0$ 30' +' 2 1 /+-' 0* 2 " ' 02 . - *$#02"# /+#01' 2 " ' #+*,+'$ 3 " ' 2 *$# '$"(-$"- " ' 2+' 1 . + 20' ! 0*'"-'+11"*(0*$+1 #0-'"(+' 2"*' +* "#

' # *+ ' *)0"0

' ' ' ' ' ' (' $#) ' " %, ' %6%&, ' 3

) $$ ' 1 #&

'"*' 2+' 30# "*' :0; $0-$+*' 20' ' 202+' 2+' 0*$+11" #0-'"(+-$#+' "*' 940+*' 0341$030' "*+' -$"- '" "#0"(;0':0#+1' "# . 02"' + . ' . +2 ' -0' ,+10' - ' 3+#* 202+' 2+' " . ;#0

"3' "*+' -$"- '" "#0"(;0; 1' +' 0'#+2 $02"' . +2 '"(. 4 1"' +#4 ' 2 $"(#+4- 4' 4 . 0' '"-* 2+#03+1' 1 3#0# 0(94+' , "# *40' #0"#$+' '"4' 0' *+4*' *";# -:"*('" . ' 0' '104*410' 2+' *+#' 0'411020' 0"*' 1" $"#+*' 01; '0*$#+-*+*' +4' *";# -;"(2"' . +* . "' -" . +(" +#+'+4' 2+, " *' 0"' /"3+#-"' 0' 1 3#0# 0' ,0#0' ; ;1 "1;+'0' ,4;1 '0' 2+' 0*$+11"' #0-'"E' +' , "# +**+' 0'$"' 2+' 1 ;+#0 ' 1 202+' ,0$# "1 '0' "' 0/#0' 02"' '" . ' "' $ $41"' 2+' 3 *'"-2+' 2+' "#0"

. ' ,"#$0# 0' 2+' 7?' 2+' -"3+ . ;#"' 2+' AC76' 1"43"4' "' /"3+#-"' "' ; " . ' F4 G"' +' ,0$# "$ * . "' 2"*' 4-202"#+*' 20' ' : < ' +'"-;+ ' '+4 *+'‖0' '"-3+- +-' 0' 2+' 0- . 0# "' +*, # $"' 2+' 0**"' 0/0"(2 G+-2"' 94+' ' * ' ,+10' #+4- 0"' 2+' . 4 $0*' "#/0*' +' 3"-$02+*(94+' *+' ,"2+#0"' 0'0;0# /#0-2+*' '" *0*(+' -020' ;0' $0"' 4$1' '" . "' 2 # / # 0' 9'$ 3 202+' 2"*' ' 20 ' 20"*' ,0#0' ";F+'$"*' '0,0G+*' 2+' . +1;"#0# "*' *+4*' -$+#+**+*' . 0$+# 0+*' +' . "#0+*

' /"3+#-"(2+, " X' 2+' 1"430# "*' 4-202"#+*' 20' *"' +202+(,#" . +$ ' $ 0 1:+*' $"2"' "' 048 1 "' 94+' 2$+11+' 2+, +-2+**+

. ;"#0' -0"' 24# 0**+' . 4 $"' $+ . , "' +*$0' *"' +202+(' 2+3+# -"**"(#+4- # +*'10#+' . +-$"*' 94+' 0"*' 1+ $"#+*' , +# . 110 . ' "# . 0# '"-'+ 1"' 20' 4";#+' $+-$0$ 30(-'"-1+*$03+1 . +-$+' ' 3 1 *02"#0(

* 094 ' ' ' 94+' "*' 4-202"#+*' 0, #+*+-$0#0 . ' 0"*' *+4*' '"-' 2020"*

' K ' 0**"' 0/0"' ' 3 1 *02"#0' 2"' 2 *$# '$"' 2+' 0*1+11"' #0-'"' '" . , "# ' *+ ;0' 2"*' ' 2020"*‖ . 0 *' 114*1#02"*' 2"' . +* . "' 2 *$# '$"' 94+' +*, "-$0 ' -+0 . +-1"' 94 G+#+ . ' #+4- # *40*' 14G+*(*+4*' +* "#/"*(+' '"", +#0#' , "# $" ' 2"*' . + "*' , "** 3+ *' , 0#0' *+' 0- . 0# 0' -24*$# 0("' '" . . +#' "(0 0/# ' '41$4#0(0*' 1+$$#0*' +' 0*' *' +-' 0*' -5+*$0' , 0#$+' 2"' $+## $"# "' , "#$4/4+G

#", "+ *+' 0' $#0-* . $$ # 0' *+4*' '"-' 2020"*' , "# . + "' 2"' +-* -"' "#01' 940'*94+# '"-;+' . '-$"*' 94"' *+4*' . +#0;#"*' , "**40 . (+' 94+' $+-2+-$+*' *+F0#0' 0' 2+*, +#$0# -"' +*, # $"' 2"*' , "3"*' 0' -'1 -0/0"' * *' +-' 0*' +' 1' 0#$+*E' 0' 0G+# #4'$ '0# + . ' *+4' '"#0/0, ' "' , #+' "*"' /+# . +-' 2+' $"20*' 0*' 3 #$42+*' *"' 0+*' ' 3 *' +' #+1 / "*0*(0' 0''+-2+# +-$#+' 0*' . 0**0*' "' 0 . "# 2"' $#0;01:"' +' 20' "#2+ . E' -54 . 0' ,0103#0 F0' '"-'"##+# ,0#0' "' +-/#02+' ' . +-$"' +' *"1 2+G' 20*' ;0*+*' 20' , 4;1 '0' +' 1"'01' ,#"*, +# 202+

10;"#0' , "# . + "' 2+' 2 *'4**0"' $"20*' 0*' 94+*$"+*' 2+' -$+#+**+' , 4R ;1 '"(#+'+;+' . + . "# 0*(, 0-"*(,#", "*$0*(-* -40/"+*' +' +*'10#+' . +-$"*' *";#+' $"2"*' "*' ";F+'$"*' 0' . 0' 2+* /-02"*' -3 0' 0"' /"3+#-"' ,#", "*$0*

" ;#+' #- '1: "#0 . +-1" 94+' , "2+ . ' ", +#0# *+' -" 2 ‖*$# '$" ' 4; . +$1+' Ø *0 ;+2"# Ø 20* '"#$+* "4' 2" /"3+#-" 940+*94+# , 0-"* 2+' 4$ 1 202+' , 4 ' ;1 '0

-01 . +-$+(Ø 0**"' 0 0" 2 # /+' "* *+-* +* "#'"* , 0#Ø '"-*+/4 # 142" 940-$" , "**Ø 2+*+-3"13+# Ø ' 3 1 *0/0" 2ƀ+*$+' 2 *1# '$"(+' +1+301 " 0" . 0 "# /#04' 2+' 114*$#0/0"(, #"*, +# 202+' +' # 94+G0 S

* +*$0$4$"* 20Ø *"' +202+' *0" 20102"* 2+' AI' 2+' +3+#+ #" 2+(AC7V ' "* *+4* 0#$ /"* AS'+I(S(94+' 30 . "* #+/ *$0#(*+' '"-1 +'+' 940+* +#0 . ' 2+ - $ 30 . +-$+' "* -* Ø 94+' *+' , #", 4 - : 0(+' 940+* "* . + "* 94+' , #+ ' $+-2 Ø + . , #+/0# , 0#Ø "* '"-*+/4 #

K #$ Ú AS' * -* 20Ø "' +202+' 3 1 *02"#Ø 2" 2 *$# '$" 2+' 0*R $+11" #0- '" *0"‹

]' AS' "", +#0#(*+/4-2" 0* *40* "#/0*(, 0#Ø 0- #00# Ø -24*$# 0(' '" . . +#' "(Ø 0/# '4114#0(0* 1+$1#0*(+' 0* *' +-' 0* -ƀ+*$Ø , 0#$+' 2" $+# ' # $"# " , "#14/4+G'

]' I S' # / # *+4* +* "#/"* , 0#Ø '"-*+/4 # $42" 940-$" , "**Ø 2+R *+-3"13+# Ø ' 3 1 *0/0" 2ƀ+*$+' 2 *$# '$"(" +1+301 " 0" , "** 3+1' /#04' 2+' 114*$#0/0"(, #"*, +# 202+' +' # 94+G0

K #$ S' S' "* . + "* + . , #+/02"* *0"Ł

' AS' ' $#0-* . **0" Ø *+4* '" ' 2020"* , "# 3 0‹ S' 2+' +-* -" /#0 ' $4 $" "#01Ł S' 2+' +'# , $" , +10Ø . , #+-*0(+' ': #"/#0, : Ø 2+' 940+*94+# '"-:+' . +-$"* 1+-2+-$+* Ø 2+*, +#10# -" +*, # $" 2"* , "3"* Ø -'1 -0/0" 0* 0#$+*(Ø 0G+# #4'$ '0# + . ' *+4' '"#0/0" " , #+2"*" /+##0+-' 2+' 1"20* 0* 3 #$42+* *"' 0+*(' 3 *(+' #+1 / "*0*(+' 0''+-2'# +-$#+' 0* - 0**0*' " 0 . "# 2" $#0;01: " +' 20Ø "#2+ .

' *"' +202+' 20# ' , 0#$+' Ø 04'$"# 202+' '"#0, +$+-$+' 20Ø 2 *' , 1 -0(94+' '020Ø 4 . ' 2"* *+4* *"' "* *+' , #" , "+' +-* -0#

' (S' ' 1 /0" 2+' 01/4 . 0* "; #0*(+' F"#-0+* , 4#0 . +-$+' *' +-$ '"*(2+' 94+' , "**0 . ' +8$#0 # *+' #+/#0*("4' , #+'+ $"* '"-3 -1 03+ * 0" . +1: "#0 ' . +-$" 20* 0#$+*(+' 20* + . , #+G0* + . ' -"**" , 0 G

' 7S' ' 2 *'4**0" #+/410# + . ' *40* *+**"+* 2+' $"20* 0* 94+*$; '* 2+' -$+#+**+' , 4;1 '"

' >S' ' #+'+, /0" +' " +80 . +' 2+' . + . "# 0*(, 0-"*(, #" , "*$0*(-* ' -40/0+* +' +*'10#+' . +-$"* *"; #+' $"2"* "* "; F+'$"* 2+* /-02"* -" 0#$ S' (S' 2ƀ+*$+' '0, $41"

]' DS' ' 2 #+'/0" 0" /"3+#-" 2+' , #" , "*$0* *"; #+' "* . +1: "#0 . +, $"* 94+' , "2+ . ' ", +#0# *+' -" 2 *$# '$"

' S' ' 4; . **0" ' *0; +2"# Ø 20* '"#$+* 2+' 940+*94+# . + . "# 0* 2+' 4$ 1 202+' , 4; 1 '0

J ;N9 J

] VS ? + . ,#+/" 2+ $"2"* "* . + "* 2+ +-1#+$+# #+10 "+* '" . "*
0; "(+ '" . 0* *"' +202+* 1 11+#0# 0*(94+# 2" ,0 G(94+# 2" +*1#0-
/+ #"(0 . 2+ /0-:0# ,+10 '"##+*,"-2+-' 0 -"'"+*('" . 94+ ,"**0 -
*$#4 # *+ 0 "' +202+ 3 1 *02"#0(+ *+# ,#+*$03+1 0 *+4* '" . ,01# "$0*Z

*"' +202+ '+1+;#"4 ' -'" *+**2+*(*+-2" 0 41$. 0 + . I 2+ +3+
#+ #" 2+ AC7V

"-*$0 -"* 94+ "* 4-2"* 20 *"' +202+ '" . +/0#0 . +#0 AC>I 0 *+#
0, ,1 '02"* ,0#0 ,#+ . "* F@"* 014 . -"* 20 +*'"10 2+ +-* -" . 4$4"

0 . ;+ . F "* '"-*10 94+ 4 . . 4 $" 114*$#+ '0301:+ #" 25094+11+ 2 *
$# '1"("0" "* 0G #+$" #012+*($+-10#0 0G+# #+3 3+# 0 *"' +202+(
940-2" +*$+3+ > #+-$+ 20 02#0 - *1#0'0" 2" . +* . " 2 *$# '$"E . 0* "-
-0" '"-*+/4 4 " *+4 1"4303+1 -$+-$"("4 " 2+'4#$0 24#0/0" " *+/4-2"
,+# "2" 20 +8 *$+-' 0 20 *"' +202+(," * 94+('" . " 2 **+ . "* :0 ,"4'"(
F> + . AC>7 *+ 0, ,1 '0#0 . "* 4-2"* ,0#0 "4$#" 2+*$ -"(01 2* #+'" .
. +-203+1

, 1 1 A)/ -0 , 1/) - / 12 1

+-' "-0 . "* +*10 *"' +202+ + . #0G0" 2+ :03+# 202" . ,41*"(-0
' 202+ 2" "#$"(0" 0,+# +)"0 . +-$" 20 0#$+ $N,"/#0,: '0(+ $"#-02"
0' 1 0 2 341/0/0" 2"* '"-:+' . +-1"* 4$+ * ,+10 . ,#+-*0

";"* 04*, ' "* 25+*$0 *"' +202+ " ,4;1 '02" " 5 2" 9401
2+ . "* -"$ ' 0 -5+*$+ $" . "(,0/

5+*$+ F"#-01(94+ 0,+-0* 24#"4 2+*2+ A 2+ 0/"*$" 2+ AC7C 0 AD
2+5F00+ #" 2+ AC7W(+-'"-$#0 . "* " $+*$+ . 4-:" 94+ 094 #+/ *$0 . "* 0
#+*,+ $" 20 !D* * :

1 -0$4#01 94+ :*, #+ . 3 3" -$+#+**+ "* -*$ 4"* "4 "* 0'$"*
/#0-2 "*"*E . 0* F4*$" 94+ -0" 2+*,#+G+ . "* 0* . "2+*$0* . 0- +*$0
/"+* 2+ 01/4 . *+#3 /" ,#+*$02" > ;"0 '04*0 20 -*$#4'/ " ,4;1 '0(,"#
. 0 * *" . +-"* 94+ ,0#+/0 ** . '"#0,#+:+-2' . "* 0 -"**0 . **0"(+
2" *4,+# "# F4 G" 2"* 1+ $"#+* 0 . "* 92+ -5+*$+ ,0#$ '410# +*$0" 2+ 0'
'"#2" '" . -"*'"(-0" #+,#"30-2" 0 -*+#/0" 20 -"$ ' 0 94+ -5+*$+ '0,
$41" :+* 20 . "*

R #@04 8 : : 3 &B 0 78;9
1 #&)0 B#))0 #$ 6 0$(#0 "
* * * # 55 7 0$ < W

' ' ' ' ' ' 2 , ' . ' ' /

+F0< D ' ' (' # ' -"' $" . "' 3 (' , 0/ ' I7V' 0' I>C

94 ' *"' 0'#+*'+-$0#+ . "*' 94+' +*$0' *"' +202+' -0"' $+ . ' 0 #"4802"' -"' G+1"' +' 2+2 '0'0"' '" . ' 94+(' 2+*2+' 1"- /"*' 0- -"*(' *+' +* "#'0' , "# 2+* ' + . ,+- ;0# 0' *40' $"'0-$+' +' /+-+#"*0' . **0"

"2"*' "*' 0- -"*' +' 4 . ' 2 0' 2+' +*$0' 094+1F+' + . ' 94+' 0' *"' +202+(' , "# -$+# . +2 "' 2"' *+0' '" - *+11 "' 2 #+'$"#(' 2 ' '" -$0' 20' #+*, +'$ 30' /+#+- ' 0 ' +**+' 0'$"' *"1+ . -+(' #+01'02"' , +10' , #+*+- '0' 2+' 04/4*$0*' , +#*" -0/+-*(' 0** *$+' 4 . ' '" -* 2+#03+1' -4 . +#"' 2+' ' 2020"*' 2+' $"20*' 0*' '10**+*(' 0' 94+ . ' +' /#0$"' , #+*+- ' 0# 4 . ' +*, +'10'41"' 94+' 2 10$0' 0' 01 . 0' 2+' 940-1"*' , #+*0 . ' ' 94+' +' ;+11"' -0' "#2+ . ' . "#01

+' 2 0' + . ' 2 0' *+' $+ . ' $"#-02"' . 0 *' ;+-+ . +# $0' 20' : 4 . 0- 202+E 2+' 2 0' + . ' 2 0' *+' 02 . #0' . 0 *' 0' , +#*+3+#0-'0' -"' , #"*+/4 #' 0*' *40*' 1 ' 2+*(' 2+' 94+' 20"' -+94 3"'"' $+*$+ . 4 - :"' "*' +1 G+*' #+*41$02"*(' 2+' $"2"*' ;+ . ' '" - :+' 2"*

' -0"' *+' , +-*+' 94+' *+F0' 0' 1' 0' $0#+ 0' '" . . +$$ 20' 0"*' '4 202"*' 2"' '"#, "' /+#+-$+(' 0- -401 . +:$+' +1+ $"' , +10' *"' +202+' +1"' '" -$#0# "' +' 2 ' ' 1' +' 0#24"' +**+' +-'0#/"

0#0' 94+' 0' $01' #+*, + $"' , "**0 . ' "*[1+ $"#+*' "# . 0# F4 G"' *+/4#"(' 0$$+-$+ . ' -"' 94+' 2 G 0' 0' '" . . **0"' *'01' + . ' ACVV<

"-*+#30# + . ' $"2"' "' *+4' 14*$#+' 0*' $#02 '"+*' 2+' 4 . 0' 02#0 - *$#0 ' 0"(' 0' 94+' , #+* 2 #0 . ' +' + . ' 94+' $ 3+#0 . ' , 0#$+' 01/4-*' 2"*' +*, # $"*' . 0 *' +*'10#+' 2"*(' 2"*' '"#0/"+*' . 0 *' /+-+#"*"*' 20' -" *0' $+##0(' 0, +# + /"0-2"' *+ . , #+' +' #02 '0-2"' . +1:"# -"' , "3"' 4 . 0' -*$ $4 /0;' $0"' '"-*+-$0-+0' '" . ' 0*' -+'+** 202+*' 20' +, "'0E' 02 . - *$#0# 4 . ' '0, $01' -" . -01' 2+ + *' 7C?<??? ???E *'01 *0# "' +-* -" +' 2 *' , 1 -0' 2+' 2+G' +*'"10*(' 94+' 0;# ' /0#0"' 2+-$#"' + . ' , "4 '"' E ' '#+0-/0*(' +' > #+-$+' 20*' 940+*' ' . *$+# '"11"'0# 4 . ' , +**"01' 2+' I>' . +*$#0*' +' 0F420-$+*E *4 , +# -$+-2+# -0*' +*' '"1:0' 2"*' , 0-"*(' +' -0' '" -*$#4'/0"' + +'$ 30' 2+' -"3"*' +2 ' "*' 0*N10#+*E *+/4 # '" . ' 0$$+-/0"' "' 0-20 . +-$"' 2+' , 1+ $"*' F42 ' 0+*E 01$+-2+# 2*' "' ' '"##+-' 0*' -4 . +#"*0*(' 0*' +8 /+-' 0*' 2+' -0$4#+G0' . 4 $"' 30# 020' 2+' 4 . 0' /+#+-' 0' $0"' 30*$0' F2(' +' '4F0' $+-2+-' 0' +' "' -2+ - 2"' 010#/0 . +-$"(' -0"' '" -*$ $4+' , "# '+#$"' $0#+ 0' 0' 1(' +' ;+ . ' . +#+'+ . ' "*' 94+' '" . ' 0' . #0' 4- ' '0 . +-$+' -"*' , #+'+ $"*' 2 3 -"*(' , "+ . ' :" . ;#"*' 0' +110' '" . ' 0' '" -*' +-' 0' +' # . +' , +#*+3+#0-/0' 94+' -4-'0' 01$0#0 . ' 0"' '" -*+1:"' 20' 2 #+'/0"Z H

-*$ $4 /"+* ;+-+ '0*(94+' "' *0"' 0* '0 0* 2+' 0*N1"(2+3+ . ' *+# 0110 '
. +"$+' ,#"1+/ 20* +' 03"#+' 20* ,+1"* ,"2+#+* ,4;1 '"*(+ . ;"#0' 2+30 . '
0' *40' '#+0"0"' +' . 0-4$+-/0"' 0' - ' 0$ 30' ,0#$ '410#

' 10*$. 0' 94+' "' '"-*+1:"' 20' 2 #+'/0"' $ 3+**+' 0 -20(+ . ' A' 2+' . 0 "'
2+' CVC(' 0' 4+'+** 202+' 2+' +80#0# + . ' *+4' % ' "* *+/4 -$+* 94+ '
84 . +*<

$ ' '"-*+1:"' -0"' , 2+' 2+ 80# 2+' ':0 . 0# -"30 . +-1+' 0'3"**0' 0$$+- '
/0"' ,0#0' 0' . 4 $"' . ,"#$0-$+' 94+*$0"' 2+' 94+' F0' -"' 41$. "' 0--"' *+' "' '
'4,"4' -5+*$0' *+'/0"' 2"' #+10$"# "

K + +# . " -"* 0"' * ' ' ' ' S ' * ' 2
' ' 94+' 2+*2+' AC6W' 0$+' 7A' 2+' 2+G+ . ;#"' 2+' ACV6' -"* '+#'
'+"4' AEVAV X>67' #+ *(+' 94+' -"' 0--"' 2+' ACVV' -"* ,# 3"4' 20' . ,"#$0-$+'
3+#;0' 2+' I<A7> A7W' #+ *(94+' *" . . 020' '" . \0' 0-$+# "# ,+# 0G' 4#-' $"$01'
2+' ><?VA(D6?I' # *

$ ' -"**"' ;#02"' 0 -20' -0"' $+3+' +':"('" . "' *4, ,4-:0 . "* 94+' 2+'
3+**+' $+# +-$#+' 094+11+* 0' 94+#-' +*$0"' '"- 02"* "* -$+#+**+* >0' - 0-'
' 0' "4' 20' 2+'#+, $42+' 2+*301 20

K - . 0 . -"* ,"# . ' 0 #+,+$ # '" . "' ,#"$+*$"' "' -"**"' '10 . "# 2"'
0--"' ,0**02"(0' '"-3 '/0"' 94+' $+ . "* 2+' 94+' 2+ +-2+ . "* 4 . 0' '04*0'
F4*$0(+' ' 0'$"' 2+' :03+# ,0 G+*("' #0* 1(,"# +8+ . ,1"("-20' "* 1+/0 '
2"* 2+' ;+- 1'+-' 0' *0"' *+-1"* 2+' 940+*94+# . ,"*$"* S

+' $"2"' ' '"#0/0"' -"* 0**"' 0#0"* 0"' ,+-*0 . +-$"' 2"' '"-*+1:"(+'
0#2+-$+* 3"$+* 0G+ . "* ,0#0' 94+' -0"' $0#2+' 0' #+01 *0# *+' 0' *+-/0"' ,+2 20
' '"-*+1:"(,#" 4-20 . +-$+' '"-:''+2"# 20* ' #'4 . *$0-' 0* 2"* +* '
$0;+1+' . +-$"* 2+' '0# 202+(' :+/0' 0' 9401 '0# 2+' - 94"' "' . ,"*$"' 2+'
$#0-* . **0"' 2+' ,#",# +202+(0, ,1 '02"' 0' +**+* +*$0;+1+' . +-$"* 94+' *"'
,"# #0 10/#+' B2 /0 . "1 "' 0** . ' *+' 30"' ,4*$+-10-2"(

+ . ;#+ . *+' "* ,"2+#+* ,4;1 '"* 2+' 94+' +**+' . ,"*$"' '+#'+ 0' 0-'
-401 . +-$+' >* 2 +#+-$+* -*$ $4 /"+* 2+' ;+-+ '+-' 0' 2+' "#$4/01' . 4 $"*
'"-$"* 2+' #+ *("* 940+*('" . "' ;+ . ' 2 G "' '"-*+1:"(#+,#+*+-$0 . ' #04 '
$"* . 1:0#+* 2+' #0/"+*(. 4 $0* '+-$+-0* 2+' ";F+'$"* 2+' 3+*$40# "(+$'

,"-$0#+ . "* 094 (+ . ' 4 . 0' *+# +' 2+' 0--"* 2"' #+ -02"' 20' *+-:"#0

' ' : ' ' D ' ' ' # ' ' $ ' 7899' I%B) *0" ' #1'
7898

' %1' " *%1#+, ' +,# #&&0+,#' < % ' '% '0' * 1 1 &&0 '5 &*0)' 1 # #.'
*#%' &# ' #) 6 0" ' * 1 ' *)0 ' #' 1 +%* & ' 2#)0" ' "#' * +&* #+* & '#&* %$%) '
#1' #5# ' ', 00 ' * +(#* "0&' 0 %"0' 0&' 1 0 &' $#'%#+0&' $0) *%)0 "0"*&' "0'0".'
1 + &,5060 ' "0&' *0&0&' "#' 0&/)

0# (#+'+ 1 +2+*,+G 20* 0*0* 2+ *N1" *4F+ $0* 02 . - * $#0'0" 20 *"' +202+

AC>6	J +'+ $0		><>>7 D0I>V # *
	+*,+*0		><I>?BDBCCD H
AC>V	J +'+ $0		6<?DDB 6>V H
	+*,+*0		D<I I CBDBVV? H
AC>C	J +'+ $0		C<7>?BDB6CV H
	+*,+*0		><7VVBDBCA? H
AC>W	J +'+ $0		A?<?>IBDBIWD H
	+*,+*0		6<DDCB ID? H
ACD?	J +'+ $0		V<>ACBDB>VC H
	+*,+*0		><DAC 6C? H
ACDA	J +'+ $0		A7<66V >DD H
	+*,+*0		7<V?DBDB?VI H

?" 2" 20 *"' +202+ +#0(+ . AC>D(2+ AI<6??BDB???? #+ *(+ . 0' '"+* 2+ ;0-'"*(-*'# , '"+* + 0,"1 '+*
. 7A 2+ 2+G+ . ;#" 2+ ACDA +*$030 " *+4 '0, $01 +1+302" 0 #+ * AV<I??BDB???(+ . +/40+* #+,#+*+-0 3+*Z

0#+'+ -"* *+# 2+ 4$4 '4# "* 202+ " *0;+# *+ 9401 +#0 " '"-'+ $" 94+ " "-*+1:" 4,+# "# 2+ -*$#4'/0" 4;1 '0 "#. 030 20* 0*0* 2" *N1" 2+ - 02' 0 +*301 20

K * -"**0* '0*0* 2+ 0*N1" 2+ - 0-' 0(2 G 0 +11+ +#0 - . +10$"# "(20$0 . 20 +,"'0 20 #+*$04#0/0" 2" /"3+# " 20 04/4*$0 . 0+ 2+ (+,"*$" $+-:0 . 04/ . +-$02"(,+10 '0# 202+ 2+ . 4 $"* ;+ . + $"#+*(0 -20 0** . -0" $++ . 1 2" " -'#+ . +-$" 94+ 2#0 ,0#0 2+*+F0# +3+ . "*(, " #+ . ('"- 10# 94+ -" /1"# "*" #+ -02" 2+ (94+ 10" +*,+' 01 . +-$" *+ 2+*3+10 ,+10 +24'0'0" -0' "-01(. 0 * *2# 0 + 1+0G . +-$+ *+ ,#" . "30 0 '#+0'0" 2+*1+* -*$ 4"* $0" 01$0 . +-$+ :4 . 0- $0# "* + ' 3 1 *02"#+*E . 0* '4 . ,#+ 94+ " /"3+ . , 2+ " "* $" . + 2+*2+ F0 2+;0 < " 2+ *40 ,#"$+') 0"(94+ "* "#/0- *+ + -*,+'' "-+ '"- "# . + 0 *40 -0$4#+G0 +*,+R ' 01(+ '" . " -*1 $4 '"+* ,4;1 '0* 94+ *0"(0G+-2" 0* . 0#':0# $"20* 2+ 4 . . "2" #+/410# + 4- "#. + S

0 * $0#2+ 2 G 0 " '"-*+1:"(94+ K+*$0* +*'"10* . 0$+#-0+* . -" #0 . +#0 ,0#$+ 0 2+ ' +-' 0 2+ ;"0* +*'"10* 2+ . +- -0*(+ $0 . ;+ . 2+

- +*$#0*' +-2"' ;+ .' 2 # / 2"* +*1+* 0*N1"*(,"2+ .' '#+0# 01 . - -0* -$+1' 1 /+-$+*(#+1 / "*0*('0# - :"*0* ,0#0' '" .' 0* . +- -0*(+' *"11 ' 10* ,+1"' *+4' 02 0-$0 . +-$"' 4 . ,#+(," *(,#+*$0# +*,+' 0+* +' ,+# . 0-+-$+* 00' 8 1 "* 0' +*$+* +8'+11+-$+* +*$0;+1+' . +-$"*(+' ,#"3 2+-' 0# ,0#0' 94+' *+' ,"**0' $+# 4 . 0' - "# . 0)0"' " ' 01' 20' +8 *1+-' 0' 2+11+*(+' 2+' *40' -4 . +' #"*0' ,"3"0'0"' - 0-$ 1('" . "' "' 2+ . 0-20#0' "* -$+#+**+* 20' -*1#4' 0"' ,4;1 '0(+' 0* '"-3+- +-' 0* 20' +*0 *$ '0'P

' '"-*+1:"(*+ .' 0 0*$0# 2+' $"2"' 0' -*,+' '0"' 1 $1+#0# 0(", -030' 94+' +*$0' 2+3 0' 1"#00#(0' #+*,+ $"' 2+' $0+* +*'"10*(4#-' '0#0'$+# ,0#$ '410#(

' +

' ' ' ' ' '

' ' ' ' AC7D

' "' +202+' 20* ' +-' 0* +2 '0* "' "# . 020' + .' AC' 2+' . 0 "' 2+' AC7D

* *+4* +*$0$4$"* "#0 .' 0, ,#"302"* ,+10' ,"#$0# 0' 2+' AW' 2+' +3+' #+ #"' 2+' AC76(0** /-020' ,+1"' . 4 $"' 114*$#+' . - *$#"' 2"' #+ -"' 4 G' 20' 130' "4* -:"' 2+' 1;494+#94+

#0' 0** .' '" . ,"*$0' 0' . +*0' 20' 0**+ . ;1+0' /+#01' 94+' # . "4' "* +*$0' $41"* *4;#0+$$ 2"* ' 0, ,#"(30)0"' #+/ 0< * ' "' 2#' #0-' *'"' "0R #+* #0-'"E 2* ' -$"- "' +2#"' 0#2"*"E AS ' 0' ' -$:"' 4 G' . 0#01' #0G0"E I S' ' -2#+' 3+1 -"' 0##020*

4 . ,#+ -"* #+/ *$+# "* +*$0$4$"* 2"' 0--"' 2+' AC76(,"# *+#+ .' "* ,# . + #"* 94+' $+3+' 4 . 0' *"' +202+' $0"' . ,"#$0-$+(+1+3020' :"F+' 0"' . 0 "# /#04' 2+' +*,1+-2"#

0"' "* *+/4 -$+*<

: * ' E J ' 9 ' ' ' '

#$' ASJ "# . 0 *+' + .' *;"0' 4 . 0' *"' +202+' '" . ,"*$0' +**+-' 01' . +-$+' 2+' . +2 '"*(' #4#/ "+*(+' , :0# . 0'+4$ '"* -0' "-0+* +' +*$#0-/+ ' #"*(2+-" . -020< J "' +202+' 20* ' 5 ' '

#$' ISJ ?' *+4' .' +' "' ,#"/#+**"' 2+' $"20* 0* ,0#$+* 20' *' +-' 0' 2+' '4#0# +' 2"* . 0 * #0 ."* *' +-$ '"*(94+' $ +#+ .' '" .' +110' #+10/2+*(+*,+' 01#0+-$"' -"' 94+' . 0 * *+' #+ +#+' ' -0/0"' ,"#$4/4+G0

#$' 7SJ "2"* "* *"' "* "4' . + . ;#"* 20' *"‖' +202+' *+#0"' *+/4-2"' *40' '10** 1 '0'0"' '"-* 2+#02"* +/40+* +#0 2 # * $"* +' 2+3+#+*(*013"' -"* 94+' :+* ,+#$+-'+#+#0' ,+1"* '0#/"* 2+110

' #)0, &' " &' 0++ &' "# 78E<.78E9' # 78E9.78E8

: * ((J 4B +

#$ >SJ *"' "*+#0"'10** '02"*< AS'"##+*,"-2+-$+*< IS+ +
'$ 3"*< 7S :"-"#0# "*< >S ;+-+ . +# $"*

#$ DSJ *"+ "*'"##+*,"-2+-$+* *0"("* 94+ 0*"' +202+ 02 . $$+
,0#0 *+ '"##+*,"-2+#+ . '" . +110 " . ,0#+'+-2" -0* *+**"+* ,4;1 '0*
0**+-$0" *+,#" . *'40 . +-$+'" . "*+ +'$ 3"*(+-$#0 . -0* 2 *'4 "+*(. 0*
-0" 3"$0 . (5+ 0* *40* ,#","*$0* +#0+ . "# 0* *0" $" . 020* + . '"-* 2+#0/0" '
'" . " 0* 2"* + +'$ 3"*E -0" *0" +1+ $"* ,0#0 '0#/"* 20 *"' +202+(,"2+ .
+# '"-3 202" ,0#0 0** *$ #+ . + 2 *'4$ #+ . -0* *+**"+* ,0#1 '410#+* 20*
'" . . **"+*E 20#0" > *"' +202+ "* +*'10#+' . +-$"* ,+2 2"* ,"# +110(*" '
;#+ . 0$+# 0* 2" *+4 -*$ $-$"< ,0/0#0" ,+1" 2 ,1" . 0 " . +* . " 94+ "*
+ +'$ 3+*(+ 2+ ,#+*$0/0" . +$02+

#$ SJ "2+ . *+# *"' "* '"##+*,"-2+-$+*("* 94+ *+ 0';0" - '
'14 2"* -" 0#$ >SE $0 . ;+ . " ,"2+ . *+#("* 94+ -0" +*$0-2" # /"#" '
0 . +-1+ -'14 2" -5+**+0#$ /"$+-:0 . '" . $42" + $" 2 *$ -'$"* ,#"/#+**+*
+ . 01/4 . #0 . "0''+**"# " 20 *' +-' 0 2+ '4#0# 54-* + -5"4$#"* +8 /+ *+
#+'"-:+' 20 0,,1 '0/0" '"-*$0-$+ ? 94+ #+* 2 # + . * ;"0 -0" *+#> *" '
' " '"##+*,"-2+-$+

#$ VS #+* *"' "* + +'$ 3+* ,"2+ . ,#",+# 4 . -2 3 24" 2"*
. +-' "-02"* -" 0# S ,0#0 *"' " '"##+*,"-2+-$+ ,#","*$0 *+#2 . " '
$ 3020 + 0** /-020 ,"# +11+*(0'" . ,0-:020 2+ 4 . . + . "# 01 2 W ,#" '
,"*$"(+ . 94+ 2+'10#+ " 2+*+F" 2+ ,+#$+-'+# > *"' +202+(+ 2+ 4 . *+4
$#0;01:" . 0-4*'# ,$" "4 . ,#+**" $42" 2 # / 2" > *"' +202+ + +-$#+/4+
0" AS *+'#+$0# " *$+ 0G " '" . ,+$+-$+ #+10$"# "(0,#+*+-$0 " + 1+ " '" . '
$"2"* "* ,0,+ *(0 94+ *+ #+ +#+(-0 ,# #0+ #0 *+**0" ,4;1 '0 *+/4 -$+(
#+,+$+ 0 1+ $4#0 -0 . . +2 0$0(+ -0 $+#'+ #0 $+#-1"/0# 0 3"$0/0" ,"# +* '
'#4$ - " *+'#+$" *";#+ 0 02 . **0" "- #+F+ /0" 2" ,#","*$"(+ * * +, 4 '
;1 '0#2 0 02 . **0" . ,#","*1" #+F+ $02" * ,"2+ *+# $"#-02" 0 ,#",+#
,0**02" 4 . 0--"E " #+F+ $02" *+/4-20 3+G - " ,"2+ *+# . 0 * ,#","*$"

#$ SJ *"' "* + +'$ 3+* *0" $"2"* "* 94+ 0** /-0#0 . "* ,#+ '
+-$+ +*$0$4$"* -0 *+**0" 2+ 7 2" 0-+ #" 2" '"##+-1+ 0--"(+ "* 94+
0 *"' +202+ 02 . 1$ # -0 "# . 0(94+ +*$+* . +* . "* +*$0$4$"* 2+$+# . -0 . '
** *1+ . #+/410# . +-$+ >* *+**"+* 20 *"' +202+ + 20 #+*,+'$ 30 '" . . * '
0"(+-$#0 . -0 2 *'4**"'* + 3"$0 . ,0#0 $"2"* "* '0#/"* 20 *"' +202+(
-0" *+ +*'4*0 . 0 $#0;01:" 01/4 . 25+110 '"-'+#-+-$+ 0 . 0$+# 0 2" *+4 -R
$ 4+(#+'+;+ . 4 . +8+ . ,10# 2+ $"2"* "* +*'# ,$" 20 *"' +202+ ,4;11 '
'02"* 2+," * 20 *40 02 . **0"E ,0/0 . ,+1" *+4 2 ,1" . 0 \+///' + 2"
'"-$# ;4 /0" *+#0+*$#+ 02 0-$020 IDB>??

#$ WSJ #0 *+# *"' " + +'$ 3" + ,#+' *+ $+# 4#00 . +#0"# 0 -0
'"11+/0" 20* . + . "# 0* 20 *"' +202+ . . + . "# 01 2" 94+ *+ 0':0# -5+*

7 7 7 ˢ J

$0*ˢ ' #'4 . *10-' 0*ˢ ,+2 -2"ˢ ˢ *"' +202+ˢ "ˢ *+#ˢ *"' "ˢ + +'$ 3+ˢ 25+110ˢ +-1#+Zˢ /4+ˢ 0"ˢ Lˢ *+'#+$0# "(+ˢ *+/4 -2"ˢ 0*ˢ "# . 01 202+*ˢ . +-' ""020*ˢ ,0#0ˢ 0ˢ 02 . **0"ˢ 2"*ˢ '"##+*,"-2+-$+*ˢ -"ˢ 0#$ˢ V SEˢ 940-$"ˢ 0*ˢ 1+ $4#0*(,"# *+ :0ˢ ˢ 3"10'0" '" . ˢ 0*ˢ . 0 *ˢ '"-2 '"+*ˢ +8,#+**0*ˢ -"ˢ . +* . "ˢ 0#$ /"

#$ [A? S J *ˢ *"' "*ˢ :"-"#0# "*ˢ *0"ˢ "*ˢ -2 3 24"*ˢ -0' "-0+*ˢ "4ˢ +*ˢ #0-/+ #"*(94"ˢ +#0ˢ 01$+-)0"ˢ 0"*ˢ *+4*ˢ 0;01 *02"*ˢ '"-:+' . +-1"*("4ˢ 0ˢ :0ˢ 3+#+#0ˢ + $"ˢ 01/0 . ˢ -* /-+ˢ ,#"/#+**"ˢ "4ˢ 2+*'";+#$0ˢ + . ˢ 940194+#ˢ 2"*ˢ #0ˢ . "*ˢ 20ˢ 0#$+ˢ 2+ˢ '4#0#("4ˢ 20*ˢ *' +-' 0*ˢ 94+ˢ $:+ˢ *0"ˢ 0''+**"# 0*("#+ . ˢ 2+'10#02"*ˢ $0+*ˢ ,+10ˢ *"' +202+Eˢ ,#+'+2+-2"ˢ ,#","*$0ˢ 2+01/4 . ˢ *"' "ˢ + +Zˢ '$ 3"< "4$#"* . ˢ 9ˢ *+#0"ˢ 094+11+*ˢ *"' "*ˢ + +'1 3"*(94+ˢ ,"#ˢ +*,0'" 2+ˢ 3 -$+ˢ 0--"*ˢ $ 3+#+ . ˢ *0$ * + $"ˢ 0ˢ $"2"*ˢ "*ˢ 2+3+#+*ˢ +ˢ $#0;01:"*ˢ ,+10ˢ *"' R +202+ˢ +8 / 2"*ˢ 25+11+*('"-*+#30-2"ˢ '" . ˢ $42"ˢ "*ˢ ,# 3 1+/ "*ˢ 2"ˢ + +'$ 3+*ˢ *ˢ *"' "*ˢ :"-"#0# "*ˢ -0"ˢ ,0/0#0"ˢ +*1 ,+-2 "ˢ 01/4 . (#+'+;+ . ˢ 4 . ˢ +8+ . R ,10#ˢ 2+ˢ '020ˢ 3"14 . +ˢ 20*ˢ . + . "# 0*(*+-$0 . *+ˢ -0*ˢ *+**"+*ˢ ,#" . *'40ˢ . +-$+ˢ '" . ˢ "*ˢ + +'$ 3+*(+-$#0 . ˢ -0*ˢ 2 *'4**"+*(+ˢ 3"$0 . (. +-"*ˢ -"ˢ 94+ˢ *+ˢ #+ +#+ˢ 2ˢ 02 . - *$#0'0"ˢ 2"*ˢ 4-2"*

#$ˢ AA S J *ˢ *"' "*ˢ ;+-+ . +# $"*ˢ *0"ˢ $"2"*ˢ "*ˢ ,#+ . 02"*ˢ '" . ˢ . +ˢ 201:0*ˢ 2+ˢ "4#"

#$ˢ AI S J *ˢ ,#+ . 02"*ˢ ,+10ˢ *"' +202+(94+ˢ -0"ˢ 1G+#+ . ˢ ,0#$+ˢ 25+110('0#0"ˢ *"' "*ˢ ,"#ˢ +**+ˢ 0'$"(*+ˢ 0** #0ˢ "ˢ ,+2 #+ . (+ +'$ 3"*ˢ "4ˢ '"##+*,"-2+-$+*ˢ '"- "# . +ˢ "ˢ 1"/0#ˢ 20ˢ *[40ˢ #+* 2+-' 0

#$ˢ A7 S J *ˢ *"' "*ˢ + +'$ 3"*ˢ ,"2+#0"ˢ *+#ˢ 2 *,+-*02"*ˢ ,+10ˢ *"' +ˢ Y202+ˢ 2+ˢ 01/4-*ˢ "4ˢ 2+ˢ $"2"*ˢ "*ˢ #+*,+'$ 3"*ˢ $#0;01:"*(940-2"ˢ $+-:0 . ˢ "4ˢ $#"*ˢ *+#3 '+*ˢ *"' 0+*(. "1+*$ 0*(+202+ˢ ,#"3+'$0(4#/+-$+*ˢ "''4,0';+*

#$ˢ A> S J *ˢ *"' "*(94+ˢ 0** /-0#+ . ˢ "*ˢ ,#+*+-$+*ˢ +*$0$4$"*($+#0"ˢ 2+-$#"ˢ 2+ˢ 4 . ˢ 0--"ˢ 4#00ˢ #0+ . "# 0ˢ *40ˢ -0ˢ '"11+''0"ˢ 20*ˢ . + . "# 0*ˢ 20ˢ *"' +R 202+ˢ Eˢ ˢ 94+ˢ 01$0#ˢ 0ˢ +*$+ˢ #+94 * $+ˢ *+#2ˢ '"-* 2+#02"ˢ '" . "ˢ 2+ . $1 2"

#$ˢ AD S J ?ˢ *"' "ˢ 94+ˢ +*$0-2"ˢ -"ˢ #+ -"ˢ -0"ˢ $ 3+#ˢ $ #02+ˢ "ˢ *+4ˢ 2 R ,1" . 0ˢ 4 . ˢ . +Gˢ 2+," *(94+ˢ *+ˢ :+ˢ ,0#$ ' ,"4ˢ 0ˢ *40ˢ 02 . **0"Eˢ "ˢ *"' "(+ +'$ 3+(94+ˢ ':+/0#ˢ 0ˢ 2+3+#ˢ 2" *ˢ *+ . +*$#+*ˢ 2+ˢ '"-$# ;4 '0"Eˢ 94"ˢ -0"ˢ $ 3+#ˢ 0** *$ 2"ˢ 0ˢ *+**"+*ˢ ,"#ˢ 2" *ˢ . +G+*ˢ -$+ #"*ˢ *+ . ˢ '04*0ˢ . "$ 3020(+ˢ 0,,#"3020ˢ ,+10ˢ *"' +202+< "4ˢ 0** . ˢ *+ˢ #+'4*0#ˢ 0ˢ 01/4 . ˢ +-'0#/"ˢ 25+110Eˢ ˢ *"' "ˢ '"##+*,"-2+-$+(94+ˢ -0"ˢ 2+#ˢ >ˢ *"' +202+ˢ "*ˢ +*'10#+' . +-$"*ˢ 2+ˢ * /-02"*ˢ -"ˢ 0#$ˢ DSˢ +-$+-2+ *+ˢ 94+ˢ *+ˢ $+#-ˢ 2+ . $$ 2"ˢ

#$ˢ A6 S J *ˢ *"' "*ˢ + +'$ 3"*ˢ *+#0"ˢ ,+# . 0-+-$+#0+-$+ˢ 2 3 2 2"*ˢ -0*ˢ '" . . **"+*ˢ *+/4 -$+*Eˢ Sˢ 0-0$" . 0ˢ +ˢ ,:N* "1"/ 0< Sˢ :N/ +-+ˢ +ˢ . +2 ' -0ˢ 1+/01(+ˢ : *$"# 0ˢ 20ˢ . +2 ' -0Eˢ 7Sˢ ,0$:"1"/ 0ˢ +ˢ $:+#0,+4$ '0E >Sˢ . +2 ' -0ˢ ",+#0$"# 0ˢ +ˢ 0#$+ˢ ";*$+$# ' 0Eˢ DSˢ ,:0# . 0' 0Eˢ Sˢ . 0$+# 0*ˢ 0''+**"# 0*ˢ 020ˢ 4 . ˢ 2"*ˢ *"' "*ˢ +*'"1:+#2ˢ 0ˢ '" . . **0"ˢ 0ˢ 94+ˢ 94+#ˢ ,+#ˢ &P-'+#Eˢ 4 . ˢ *"' "ˢ ,"2+ˢ ,+#$+-'+#ˢ 0ˢ . 0 *ˢ 2+ˢ 4#00ˢ '" . . **0"

#$ AV S J 020 ' " . . **0 $+#0 4#- 2 #+'$"# , "# +110 +1+ 1"('4F 2+3+#+* *0 2 # / # 1:+ "* $#0;01:"* +#0 *40* *+**"+* +*,+' 0+*

: * (((6@ # AC S J * 4-'' "-0# "* 20 *"' +202+ *0 4 . ,#+* 2+-$*E 4- 3 '+ ,#+* 2+*$+E 2" * *+'#+$0# "* S+ SE 2" * 3 '+ *+'#+$0#1"* S+ S 4 . 0#' : 3 *$0E 4 . $1 +*"4#+ #"E + "* 2 #+'$"#+* 20* 2 +#+-$+* '" . . * *"+*

#$ AW S J ?,#+* 2+-$+ ++-'0##+/02" 2+ 2 # / # "* $#0;01:"* 20 *+**"+* $0-$" 20 *"' +202+('" . " 2" '"-*+1:" 2+ 02 . - *$00'0"(2+ 1* '01 *0# 0 +8+'4'0" 2"* +*$0 $"*(#+/ . +-$"(+ 2+1 ;+#0'"+* 20 *"' +202+ + 2" #00 * 94+ ,"# +*1+* +*$0$4$"* :+ + '" . . +$$ 2"< $+#- 3"$" 2+ 940 1 202+ +#0 '0*" 2+ + . ,01+ . '0*" 2+ 04*+-' 0(" 3 '+ ,#+* 2+-1+ " *4; *$ $4+(01$0-2" +*$+($" . 0 0 ,#+* 2+-' 0 -$+# -0 " *"' " . 0 * +2"*" 94+ +*$ 3+# ,#+*+-$+

#$ I? S J " AS *+'#+$0# " -'4 . ;+($"2" " +8,+2 +-$* +8$+# . 20 *"' +202+E 20# :+ 25+11+ '"-10(1+# 1:+ $"20* 0*,#", "*$0* + 0* . + . "# 0* 2509 4+11+*(94+ . "$ 3020 . +-$+ -0" +*$ 3+#+ . ,#+*+-$+*(+ -0 2+#+ . ,0#0 **" '" . . **0" 0 "4$#" *"' " " I S *+'#+$0# " -'4 . ;B $"2" +8,+2 +-$* -$+ . "(#+10' "-0# 0* #+*"14'"'* 20 *"' +202+(#+2 / # 0* 0'$0*(+ 0G+# 0* ':0#0020* 0" *4;*$ $4 2"* + . '0*" 2+ 04*+-' ,+1"* 3 ++ *+'#+$0# "*E 0 $0-2" 01/4 . 25+*$+*($" . 0 -$+# -0 . +-$+ " *+ 1"/0# *"' " . 0 * . "/" 2"* 94+ +*$ 3+#+ . ,#+*+-$+*

#$ IA U J " 0#': 3 *$0 '" . ,+$+ 2+;0 8" 2+ *40#+*, "-*0;1 202 0 /40#20 20 ; ;1 "$:++0(2"* #+/ *$"*(2"* . 0-4*'# ,$"*(+ 2+ $"2" . 0$+# 01 20 *"' +202+E $"#00#0(+ 20#0 2+ $42" '"-$0 ,"# 4 . -3+-$0# 0--401 . +-1+ + 1"(+ 0** /-02" ,+1" '"-*+1:" 2+ 02 . - *$#0/0"(1"/" 2+ ," * 25+*$+ $"#00# ," i*+ -*,+'$"# 2" +2 1' " 20 *"' +202+ 2+;0 8B 20* "#2+-* 2" . +* . " '"-*+1:" 2+ 02 . - *$#0/0" -3+-$0# " . +-' " -02" +# ,4;1 '" ,0#0 $"2"* "* *"' "*

#$ II S J " :+*"4#+ #" '" . ,+$+ 2+;0 8" 2+*40 #+*, "-*0;1 202 0 /40#20 2"* 4-2"* 20 *"' +202+E ,0/0 0* 2+*,+G0* 2" "8,+2 +-$+ ,+ 1"* 301+* 2" S *+'#+$0# "(+ 0* +8$#0"#2 -0# 0* ,+1"* 301+* 0** /-02" ,+1" '"-*+1:" 2+ 02 . - *$#F /0"(94+ 2+ $42" :+ ,+2+ '"-$0*(940-2 +-$+-2+ 2+3+# ,+2 # 1:0*

#$ I7 L J * 2 #+'$"#+* 2 F /+ . " "* $#0;01:"* 20* *40* #+*,+'$ 30 '" . #0 **"+*(+ '"##+*,"-2+-' 0 25+110*($0-$" 2+ 4#00 '" . 0* "4$#0* '" . " '" . " '"-*+1:" 2+ 02 . - *$#0/0"

: * (? @ # I> S J ?' '"-*+1:" 2+ 02 . - *$#0/0" + -'4 . ; 2" 20 +'"-" . E + 0##0-F -$+#-" 20 *"' +202+(+ 20 02 . - *$#0/0" 2"* *+4* 4-2"* *+

J ˢ ; ; Eˢ J

/4-2"ˢ 0*ˢ 2 *,"* "+*ˢ /+#0+*Eˢ $" . 0ˢ '"-$0*0"1:+*"4#+1#"ˢ +ˢ 0"ˢ 0#': 3 *$0Eˢ 22ˢ '"-$0*ˢ 0ˢ 4 . 0ˢ '" . . **0"ˢ 2+ˢ ' -'"ˢ *"' "*ˢ -"#0+02"*ˢ ,"10ˢ *"' +202+(ˢ 1"/"ˢ 2+," *ˢ 20ˢ -*$0110'0"ˢ 2"ˢ -"3"ˢ '"-*+1:"ˢ 2"ˢ 02 . " *$#0 0"(ˢ 0ˢ 9401ˢ '" . . **0"ˢ ,0#$ ' ,0ˢ >ˢ *"' +202+(ˢ 94+ˢ 3+#) '"4(ˢ +ˢ 0, ,#"3"4ˢ 0*ˢ #+ +# 20*ˢ '" $0*(ˢ "0ˢ 0*ˢ 2 d) '41202+*(ˢ 94+ˢ 0':"4ˢ *";#+ˢ 0*ˢ 940+*ˢ 0ˢ *"' +202+ˢ 2+ ˢ 1 ;+#0#>

#$(ˢ ID f J "2"*ˢ "*ˢ 4-'' "-0# "*ˢ *0"ˢ . + . ;#"*ˢ 2"ˢ '"-*+1:"ˢ 2+ˢ 02 ˢ . - *$#0/0"Eˢ 0*ˢ *40*ˢ *+**"+*ˢ ,0#1 '410#+*ˢ *+#0"ˢ ,"#ˢ +11+ˢ 2+1+# . -020*ˢ + . ˢ #0G0"ˢ 2"ˢ 94+ˢ $ 3+#ˢ 0ˢ 0G+#

#$ˢ I6 f J ?ˢ '"-*+1:"ˢ 2+ˢ 02 . - *$#0/0"ˢ *+#>ˢ 0--401 . +-1+#+-"302"ˢ ,"#ˢ 4 . 0ˢ -"30ˢ +1+)0"ˢ 2+ˢ . + . ;#"*ˢ + $0ˢ ,+10ˢ ,14#01 202+ˢ 0;*"1410ˢ *$0ˢ +1+ /0"ˢ $+ . ˢ 1"/0#ˢ -54 . 0ˢ *+**0"ˢ +8$#0"#2 -0# 0ˢ 20ˢ *"' +202+ˢ 0-$+*ˢ 20ˢ *+*ˢ *0"ˢ 0-- 3+#*0# 0ˢ *"1+ . -+< 02 . 1$+ *+ˢ 0ˢ #++1+ /0"ˢ . . "2 0$0

: * ˢ ?@# ˢ

#$ˢ IV S J *ˢ *+**"+*ˢ *0"ˢ "#2 -0# 0*ˢ +ˢ +81#0"#2 -0# 0*ˢ *ˢ "#2 -0R # +*ˢ *0"ˢ 240*ˢ 3+G+*'020ˢ . +G(ˢ -0ˢ ,# . + #0ˢ +ˢ $+#'+ #0ˢ *+/4-20*ˢ + #0*ˢ 25+11+Eˢ * ˢ ,"2+#0"ˢ *+#ˢ $#0-* +# 20*ˢ ,"#ˢ 2+1 ;+#0'0"ˢ F4*10ˢ 2"ˢ ,#+* 2+-1+(ˢ 20ˢ 9401ˢ ˢ *+'#+$0# "ˢ #+*,+'$ 3"ˢ 0#>ˢ 03 *"ˢ 0"*ˢ *"' "*ˢ + +'$ 3+*Eˢ +ˢ *+-2"ˢ 01/4 . 0ˢ 25+*10*ˢ *+/4-20*ˢ + #0*ˢ 2 0ˢ 2"ˢ /0110(ˢ "4ˢ 2 0ˢ *0-$"(ˢ 0ˢ *+**0"ˢ *+#0ˢ -0ˢ *+ ˢ /4-20ˢ + #0ˢ . . +2 0$0ˢ *ˢ ;"#0*ˢ 20*ˢ *+**"+*ˢ *+#0"ˢ 2+$+# . -020*ˢ ,+10ˢ *"' +202+ˢ + . ˢ 940194+#ˢ 20*ˢ *+**"+*ˢ "#2 -0# 0*(ˢ "4ˢ ,+1"ˢ ,#+* 2+-1+ˢ -"ˢ -R $+#ˢ 3011"ˢ 20*ˢ *+**"**

#$ˢ IC S J *ˢ *+**"+*ˢ 10-$"ˢ "#2 -0# 0*ˢ '" . "ˢ +81#0"#2 -0# 0*ˢ 20ˢ *"R ' +202+ˢ *+#0"ˢ ,4;1 '0*Eˢ 01/4 . 0*ˢ ,"#+ . ˢ *+#0"ˢ *+'#+$0*(ˢ 940-2"ˢ 0ˢ . 0 "ˢ # 0ˢ ˢ F41/0#ˢ 0ˢ ,#","* 1"ˢ *ˢ *+**"+*ˢ 20*ˢ '" . . **"+*ˢ *+#0"ˢ *+'#+$0*ˢ ,0#0ˢ 0*ˢ ,+**"0*ˢ +81#0-:0*ˢ >ˢ *"' +202+(ˢ *013"ˢ 094+110*ˢ 94+ˢ ,0#0ˢ **"ˢ "#+ . ˢ '"-3 2020*ˢ *ˢ *+**"+*ˢ 2"ˢ '"-*+1:"ˢ 2+ˢ 02 . - *$#0 0"ˢ *+#0"ˢ *+ . ,#+ˢ *+R '#+$0*

#$ˢ IW S J "ˢ 2 0ˢ 0-- N+#*0# "ˢ 20ˢ *+**0"ˢ 2+ˢ -*$0110'0"ˢ 2+ - $ 30ˢ 20ˢ *"' +202+(ˢ 94+ˢ 2ˢ "ˢ 2 0ˢ 7ˢ 2+ˢ 0-+ #"(ˢ :03+#2ˢ '020ˢ 0--"ˢ 4-0ˢ *+**0"ˢ +8$#0"#2 -0# 0ˢ 20ˢ *"' +202+(ˢ ':0 . 020ˢ ˢ ˢ 5+110ˢ "ˢ ASˢ *+'#+R $0# "ˢ 2ˢ 4#-ˢ #+10$"# "ˢ /+#01ˢ 2"*ˢ #0;01:"*ˢ 2"ˢ 0--"ˢ *' +-$ '"(ˢ 94+ˢ 0'0;0(ˢ +ˢ 2"*ˢ 0'"-$+' . +-$"*ˢ #+ +# 2"*0ˢ *"' +202+Eˢ 2+," *ˢ 2 *$# ;4+#0 *+ˢ "*ˢ ,#+ ˢ . "*ˢ 3"$02"*ˢ -0ˢ '"- "# . 202+ˢ 2"*ˢ ,#+*+-$+*+*$0$4$"*ˢ -10"ˢ $" . 0ˢ ,"**+ˢ ˢ -"3"ˢ '"-*+1:"ˢ 2+ˢ 02#0 - *1#0/0"(ˢ +ˢ "ˢ -"3"ˢ ,#+* 2+-1+ˢ 2 4 . ˢ 2 *'4#*"ˢ 0-01"/"ˢ >*ˢ 4-' "+*ˢ 20ˢ *"' +202+ˢ +8:"#$0-2"ˢ +/401 . +-$+ˢ "*ˢ*"' "*ˢ 0"ˢ G+1"ˢ + . ˢ *40*ˢ 0, ,1 '0/"+*ˢ) 40-2"ˢ "ˢ ,+# . $1 #+ . ˢ 0*ˢ ' #'4 . *$0-' 0*(ˢ *+R #0"ˢ '"-3 2020*ˢ ,0#0ˢ +*$0(ˢ *+**0"ˢ 0*ˢ 2 3+#*0*ˢ 0'02+ . 0*ˢ +ˢ '"#,"#0/"+*ˢ *' +-1) '0*(ˢ +ˢ 0*ˢ ,+**"0*ˢ . 0 *ˢ '"-* 2+#020*ˢ -0' "-0+*(ˢ +ˢ +81#0-/+ #0*ˢ #+ ˢ * 2+-$+*ˢ -0ˢ '0, $01

: * ?(2@# >N

#$ 7? S J *"' +202+ $+#24 . F"#-01 -$ $4102" J "#-01 20 "R ' +202+ 20* ' +-' 0* +2 '0* 2+ *;"0 J #+2 / 2" ,"# 4 . 0 '" . . * *0" ,+# . 0-+-$+ ': 0#0020 '"#0 . **0" 2"F"#"01(94+ "' " . ,"#$ 20* . 0 $+# 0*(94+ F41/0# . 0 * 2 / -0* -'4 . ;+ 1 . +* . 0 '" . . **0" '"## / # 0 1 "/40/+ . 2+ $"20* 0* ,+/0*(94+ + . *+4* -4 . +#"* "#+ . , 4;1 '020*

#$ 7A S J *"' +202+ $"2"* "* 0--"*(+$#+* *+**"+* 0-$+* 20 *+**0" *"1+ . -+ 0-- 3+#*0# 0 #0$0 *";#+ ,#", "*$0 2"* *"' "* 2+ 80# 0 #+*"14'0" 2+ #+* 94+*1"+*("-' 0 2+*+-3"14'0" 2+$#+* ";F+'$"*(4 . , . . +2 ' -0 ,#",# 0#0+-$+ 2 $0("4$#" + . ' #4#/ 0("4$#" + . , :0# . 0' 0 *$0 94+*$"+*#+24G 20*0** #0 0 ,#"/#0 . . 0**+#0"1 20*-0*+**0" *"1+ . -+(+, 4;1 '020* 1"/" -" F"#-01 * . + . "# 0* *";#+ +*$+* 0**4 . ,$"* *+#0" #+ . +$$ 20* 0" S*+'#+$0# "$#+* #0+G+* 0-$+* 20*+**0" *"1+ . -+*+/4 -$+ ' *"' +202+ "43 -2" "* 2 #+'$"#+* 20* '" . . **"+* ,+# . 0-+-1+*(+#+* ' ,+'$ 30* 20 ,"# '"-'4#*" $#+* . +201:0* 2+ "4#" 0* . + . "# 0*(94+ 2+* ' + . ,+-:0#+ . '0;01 . +-$+ "' 0**4#0,$" 2+ '020 4 . 0 20* 94+*1"+* 2" ,#" ' /#0 . . 0 +$#+* 2+ ,#0$0 0* 2" J '' . =# J 94+*0"(0* 94+ '0#+ . . ' . +2 0$0* 0 +*$+ 2+*+ . ,+-:"

#$ 7I S J *"' +202+ -+**0 . +* . 0 *+**0"(+ ,#"'+2+-2" '" . " *+ 2 *,"+ -" 0#$ /" 0-$+'+2+-1+(2 4 . ,#+ . " 2+ + . 410'0" 2+ . +20 :0 2+ "4#" "4 2+ ,#0$0 0" #00-4*'# ,$"(2"* 94+ :+ "#+ . 0,#+*+-$0 2"*(+ 94+ *+ #+, 4$+ 2+ $#0-*'+-2+-$+ 41 1 202+ 1 *' +-' 0(. 2##0+-$+ + . #+ +#+-20 0 "#$4/01

#$ 77 S J 0" :03+#0 ,#+ . "* ,+'4- 0# "*(,"# . * . 2+ . +R 201:0* '"- "#. + " 2 *,"*$" -"* 0#1 /"* 7A + 7I(0* 940+* *+#0" 2+ "- 0 + . + 0($0-$" 0* 2+ "4#"('" . " 0] 2+ ,#0$0(+ $+#0" 2+ 4 . 102" " ;4*$" 2+ , , "'#0$+*('" . " -" . + 25+11+ + . #"20(+ , +# ;0 8" J F #. $" J + 2" "4$#" 102" " $. ;#+ 20 *"' +202+(+ . $"#-" 5

#$ 7> S J * . + . "# 0* ,#+#0 020*(+ 0* 2" J ''+**F$ J *+#0" . ,#+**0* +#0 4 . 0 '"11+''0" ,"# '"-$0 20 *"' +202+(;+ . #(" . " 0* "4$#0* 94+ -0" '"-'"##+-2" 0 ,#+ . "* "#+ . 0, ,#"3020* ,+10 *"' +202+(,0#0 1 . 2+ *+ . ,# . #+#-' 01 020 3"14 . + 20 '"11+''0" 20* . + . "# 0* *0 #0 *+/4-2" 0 ", ,"#$4- 202+(+ + . '020 4 . 25+11+* # 0 1 *10 /+#01 2"* *"' "* 0'$40+*(0 ,0#$+ : *$"# '0 20 *"' +202+ ,+#$+-'+-$+ 0 +**0 + , "'0(2" +1"/" --+;#+ 2+ 01/4 . *"' " 94+ " $+-:0 . +#+' 2" ' '" . . **0"(2" F"#-01 2 $0 . ;+ . ' '" . . +$$ 2" +*$+ ";F+'$"(+-$+-2+-2" *+ '" . ' " '"- *+1:" 2+ 02#0 - *$#0'0"

#$ 7D S J * . + . "# 0* ,#+ . 020*(+ 0* 2" *0" ,#",# + 202+ 20 *"' +202+(+ *" +110 0* ,"2+# . 0-20# . ,# . # 0* . + . "# 0*

. 0 - 2020 * . , # . # , +10 * " ' +202+ * + 2+3+#0 " 20# 3 " $+ +8+ . , 10#+ * 0 " * *+4 * 04 ' $ " #+ *

#1 7? L J * " ' +202+ 1+#2 4 . 0 ; ; 1 " $: + ' 0 (4 . / 0 ; - +1+ 2+ - * $#4 . + - $ " * (. 0 ' ; - 0 * (+ , #+ , 0#02 " * 0 - 01 " #0 ' " * E 4 . 0 * 010 , 0#0 2 ** + ' B ; + * E 4 . 10 ; " #0 $ " # " ' : . ' " E 4 . ; " # $ " ; " $0 - ' "

#$ 7V L J * " ' +202+ + - 3 0#0 4 . +8+ . , 10# 20 * *40 * . + . " # 0 * 0 * 2 3+#*0 * 0 ' 02+ . 0 * (+ * " ' +202+ * ' " . 94+ + * $ 3+# + . ' ' " ## + * , " - 2+0 ' ' 0 (" 4 94+ G+#+ . * " ' +202+ * + #3 / " * . , " #10 - $ + *

#$ 7C L J * , #+ * + - $ + * +*10$4 $ " * - 0 " , " 2+ . * + # 01$+#02 " * *+ - 0 " 2+ , " * 2 " 2 " * 0 - - " * E ' " - ' " #20 - 2 " - 5 ** " " * 2 " * $+# ' " * 2 " * * " ' " * + + ' $ 3 " *

. 20$0 2+ > 2+ F0 - + # " 2+ AC7W $ " . " 4 0 " ' +202+ 20 * ' + - ' 0 * +2 ' 0 * 2+ * ; " 0 4 . 0 ; + - + ' 0 #+ * " 14/0 " (94+ . 4 $0 ; " - #0 0G . +#0 " # 0 25094+110 ' " # , " #0 ' 0 " * ' + - $) ' 0

? 94+ 0 * " ' +202+ . 0 - 2 " 4 , 4 ; 1 ' 0 #(+ . 20$0 2+ A> 2+ . 0 " 2 " #+ +# 2 " 0 - - " (0 ** / - 02 " , +1 " 1 L * + ' #+ $0 # " (" * + 0 # 0 +#+ #0 + " 4G0 (20 ' 0 ; 01 2+0 20 #+ * " 14/0 " $ " . 020 <

#$ 1 L " ' +202+ 20 * ' + - ' 0 * +2 ' 0 * 2+ * ; " 0 20 < 0 * , +** " 0 * 2 " + - $ + * . + - " * 0 ; 0 * $020 * ($ " 2 " * " * 2 " . - / " * 2 " . + " 2 0 > * 240 * ; " #0 * 20 $0#2+ (- " * +4 1 " ' 01 B 0#/ " 2 " * " #- + #" * -4 . 7?

#$ I L * $+ * +#3 " + + $ " , " # $ " 2 " * " * * " ' " * (94+ 3 " 14 - $0# 0 . + - $+ 0 +11+ * + , #+ *10 . - * ' #+3+ - 2 " * + - " 1 3# " , 0#0 ** " 2+ * $ - 02 "

#$ 7 L . " 4$# " 1 3# " * +#3 #0 , 0#0 #+/ * $#0# $ " 2 " * " * ' 0 * " * 0 , #+ * +- 102 " * > ' " - * 4110 ' 0 " (2 " 9401 , " ** 0#0 1 #0# * + (+ . , # " 3+ $ " 20 * ' + - ' 0 (+* $01 * $ ' 0 * (+ " ; * +#30/ " +* . +2 ' 0 *

#$ > L . " ' 0 * " * 243 2 , * " * + #0# " * 0 , 22+ ' " - 3 20# " * 2 " + - $+ * 0 ' " . , 0#+ ' +# + . 4 . 0 20 * * ' ** " + * 20 * " ' +202+ (, 0#0 * +#+ . 01 " ; * +#302 " *

#$ D L 020 F4 - $0 2+ ' " - * 41$0 * * +#> ' " . , " * 10 2+ D . + . ; # " * (+ * +#2 #+ - " 3020 . + - * 01 . + - $+ , " # +* ' 010

#$ L 1+ . 20 F4 - $0 2+ ' " - * 41$0 * /#0$4 $0 * (2+ * $ - 020 , 0#0 0 ' 0R , $01 (0 ' : 0 * + +* 10 ; +1+ ' 20 4 . 0 : * + ' ' * 2 + - ' 0 ## + /020 2 " #+ * , " - 2+# 0 $ " 20 * 0 * ' " - * 41$0 * , " # +* ' # , $ " (94+ (* + " #+ . # +#0+$ 20 * 0 " 1 L * + ' #+ $0 # " 20 * " ' +202+ (, +1 " * * +4 * * " ' " * ' " ## + * , " - 2+ - $+ * 0 ' $40+ * (" 4 94+ 2+ - " 3 " * + - * ' #+ 30#0

0 " . + . ; # " * 2 + * $0 41$. 0 ' " . . **0 " (24#0 - $+ " 0 - - " * ' +- $ ' " 2+ AC7W 2 +8 SL * #(; 0#0 " 2+ 1 . + 20 (. +2 ' " 2+ 0 #0 - : 0 ("

) '

! " # $ % $ & &
(!) ! * + ,

" . , 41*0-2 4#00 /#0-2 *+# + 2+ 2 *'4#*"* ,#" +# 2"* ,+1"* ,#+* 2+-$+* 20 *"' +202+(,"# "''0* 0 20* *4''+** 30* 0;+#$4#0* *"1+ . :+* 20 . +* . 0(+-'"-1#0-""* - 2 *' #* #+101 3 0 '+1+;#0/0 2 AD U 0-- 3+#*0# 20 #+*,+'$ 30 -*$0 #0'0 01/4 . 0* -"$ ' 0*(94+ . 4 1 0G+ . 0 -"** ,#" ,"* $"(,"# +8,1 '0#+#0 0 '#'0'0 20 *"' +202+("* *+-* *+# 3 /"*(+ 0 1+-2+-' 0 2 *'#+10 + ,#"3+ 1"*0 94+ *+ +-1+-2+4 2+3+# 20# 1: ' K . AC 2+ . 0 2+ AC7D #+4- 4 *+ -5+*10 ' 202+ 2+ *;"0 - . '+#$ -4 . +# 2+ . +2 '"*(' #4#/ "+*(, :0# . 0'+41 '"*(94+ 0- . 02"* 2+ 3+#202+ # G+1 ,+1"* ,#"/#+**+* 20 0#1+("# . 0#0#0 " -"3 -4'1+ 2+ 4 . 0 -"30 0**"' 0/0"(94+ 2+-" . -0#0 . 5 2 -1+-2+#0 . 094+11+* 2 *1 - '1"* ,#" +**"#+*(94+ '4#0,# 0 . ,# . # 4#- . ,41*+ 2 *' +-' 0 -5+*1+ ,0 G(0G+1 0 *+/4 # " #0"3 - +-1 2 *+'41 + . 94+ 3 3+ . "*(+ '"-$# ;4 # 20 -"**0 ,0-+ ,0#0 " ;+ . ,4;1 ' + ,0#0 0 /1"# 0 20 ,01# 0(+ -0 '0# . "* +8,+'$02"#+* -2 + #+-$+* 2 ,#"/#+** 4- 3+#*01 "-3 20#0 . , "# 0--4-' "* , 1;1 '"* $" 20* 0* ,+**"0* 2"* #+* #0 . "* 20 . +2 ' -0(,0#0 94+ *+ :+* 4- **+ . (+ 3 +**+ . '"02F4301 "* -"* #+*,+'1 3"* $#0;01:"* *1+ '"-3 + ,#"24G 4 /#0-2+ '"-'"##+-' 0E 0 *"' +202+ -*$011"4 *+(+ +-'+$"4 0 *40 '0##+ #0 *"; "* . +1: "#+* 04*, ' "*(94+ ,#" . +1$ 0#0 . 0 * ,#"*,+# 4$4#+ & $$ 0#1 1:0-2 0 *"#$+ 20* 3 ' ** $42+*(94+ $+#- 0 +'$02 -"** ,0 G(0 "' +202+ 20* ' +-' 0* +2 '0* 2+ *;"0 $+#- ,+#'"## 2 94 -G+ 0--"* 2+ *40 +8 *$+-' 0(*4*$+-$020 ,"# *40* ,#",# 0* "#/0*(+ ,#"'4 #02 '4 . ,# # 0 *40 . **0 '" . + "* 0 *+4 01'0-'+ + +110 *+ - ,"2+ /1"# 0# 2+ "''4,0# "* ,# . + #"* 1"/0#+* -0 : *$"# 0 20 *' +-' 0("* *+4* *+#3 /"*(,"# *+#+ . + -"* /1"# "*"*(-0 *0 ,"# ** . +-"* 2 / -"* 2+ . 4 $0 '"-* 2+#0/0" (-4 . +#0-2 +**+* *+#3 /"*(2 G 0 ,#+* 2+-1+ K 110 $+ . * + . ,#+ 0'"1: 2"(. +2 $02"(2 *'4$ 2 + 0, ,1 '02"F 940+* 94+# --"30/"+*(94+ 0, ,0#+'+ . -0 *' +-' 0(,#",0/0-2 + 2F 4# 2 -2 '"-:+' . +-$ 2"* -"3"* #0+$:"2"*E $+ . 1+302 0* *40* -N+*$ /0/"+* 0"* ,"-$"* . 0 * -'+#$"* + '"-$#"3+#*"* 20 *' +-' 0E $+ . ,41 1 '02 "; *+#30/"+* '1 - '0*($0-$ - "# . +2 '"('" . - ' #4#/ '"(94+ 0,#+ *+-$0 . " . 0 "# -$+#+**+E -01 . +-$+ $+ . '"-* /-02 -"* *94* F"#-0+* . ,"#10-$+* 2"'4 . +-1"*(94+ +14' 20 . ('"-:+' . +-$. +2 ' 20* 2 +#+-$+* 1"'01 202+* 2 #+ -"(+ '"-*$ $4+ . ,#+' "*"* +1+ . +-$"* ,0# * $","/#0,: 0 . +2 '0 2 ,0 G . +* . $+ . $+ . , 0/ 0 *40 2 3 20 0 ,4;1 ' ,+1 . "2 . 0 * :"-#"*"(-0 "14/0"(2+ . 4 $0* 94+*$"+*

#'101 30 0 F-# *,#42'-' 0 '# . -01(' . \ + 0 *40 14G+ $"#- * 2 #+ '10 -020 ,20 0 '$"# 202" '" . ,+1+-1+*(,0#0 2+$+# . 1-0#(*+ ' '# . 0 #+01 "- 0, ,0#+-$+E 4 +*142 20 '04*0 + . + " ,#+3+-$ 3+ + '4#0R $ 3+ 20 +, 2+ . 0*(. . -+-$+*(FD #+0+*(94+ $+ . 10/+1102 , G(,4;1 $0-2 -*$#4' "+ 0'" . . +2020*E - ' "-:+' . +-$+ :+#0,+4$ ' 2+ . 4 $0 20 0/40 . -+#0+*(+ . 94+ + ,0 G 0;4-20(+ *40 02+94020 0, ,1 '0/0"E -0 . +1:"# '"-*$#4'/0 2+ :"*, $0+ +*,+' 0+*(+ + . . 4 1" "41#"* ,"- +* 2" . 0 "# -$+#+**+ H

"#0 #04 $,' ,#0G+# :03+ . "* $#0-*'# ,$" +*10 +-4 -+#0/0" 2+ ;"-* *+#3 /"*(,"# 940-$" 0,#+*+ $0 0 *"' +202+ '" . " ;+-+#0+# $0E + - - /4+ . ' ,"2+#2 0''4*0# 2+ +80/+#020 . 0 $01 +-4 . +#0/0"(0" ,0**" 94" + 10 ,"# 94+#- $ -:0 -'"-1+*103+1 '" . ,+$+-' 0 ,0#0 0 #0/0#

0 +*$+* *+#3 /"* $ -:0 * 2" ,#+*102"* -" ,+# "2" 2"* ,# . + #"* 94 -G+ 0--"* 20 '8 *1+-' 0 20 *"' +202+E + +-$+-2 0 *+ 94+ . 4 $" . 0 * 11 + '4 . ,# 0 0G+#(-" -$+#+**+ 20 *' +-' 0(20 :4#00- 202+(+ 01+ 20 /1"# 0 20 ,#",# 0 0**"' 0/0"

+'+** 1030 ' 2" 4-00 ,#"$++/0" +11 ' +-1+ 2" /"3+#-"(94+ 2+**+ "''0* 0" 0 94+ . 0 * + . 0 * ,#"'4#0**+ 0 *"' +202+ 010#/0# 0 +*, :+#0 20 *40 0+/0"

. $"2" ' '0*"(-" 2 *'4#*" 0 94+ . + $+-:" #+ +# 2"(+#0 . +-4- ' 02"* '" . $"20 0 ,#" ' +-' 0 0* 30-10/+-* 94+ 20 *"' +202+ ,"2 0#0 +*,+#0# *+(+ 3+ . 0 *'#<

"-*+#30# + " . +-10# *+-$. +-$"* 0 . /03+ * + /+-+#"*"* +-$#+ 1"2"* "* 94+ *+/4+ . 0 4$1 + 1 "-#"*0 '0##+ #0 20 0#$+ 2+ '4#0#E 0##+ 20-2" *+ 0** . " "* *+-$. +-$"* 2+ 2+*'"- 0-/0 + 2" ;0 80 # 301 202+(94+ *0" . ,#",# "* 2" - . 0 ,#" **0" 1 ;+#01 + *' +-1 '0

I S 1 +#+'+# 4#00 2+ . "-*1#0/0" ,#0$ '0 20 4- 202+ + -2 3 * ; 1 202+ 20* *' +-' 0* . +2 '0*(,+10 '"",+#0/0" + 0**"' 0/0" 2"* *+4* '41 1"#+* 2 3+#*"*

7 S - *$#0# " . +1:"# + . 0 * ,#"#0,$" . +1" 2+ +80 . -0# + 0,#+ ' 0# 940+*94+# 2"4$# -0* + ,#0$ '0* -"30*(94+ $+-20 . 0 *4;*$ $4 # "4 '" . ,1+$0# "* ,# -' , "* 0-$ /"*

S >S "-*$ $4 # " "'" '+-$#01(,0#0 "-2+ '"-3 #F0#0 0* 14G+* 2"* '"1 1+/0* 20* 2 +#+-$+* ,#"3 -' 0* 2" #+ -"E *+-2" 0" . +* . " $+ . , " "# /0" 2+ *+4* 3"$"* + 2+ *40* -+'+** 202+* #

DS "-*+#30# + 0**+/4#0# > #0+2 ' -0 0 ,"* /0" +1+3020 94" 2+3" "''4,0# +-$#+ 0* 2 3+#*0* 0**"' 0/"+* *' +-1 '0* 2" ,0 G(+ 0 '"-* 2+ #0/0" ,4;1 '0(0 94+ $+ . 2 #+ $"

& " * 013 $#+* +#0 . 1+ . ;#02"* ,0#0 04/ . "-$0# " '#+2 $" + '"-* 2+ #0/0" 20 . +2 ' -0 ,"#$4/4+G0< S " ,0#$ '410# +*142" 20 1 1$+#0$4#0 #0+

2 'O , "#$4/4+GO('" . " +8 ,#+**0" 20 3 20 *' +-1 'O 2" ,0 G -0* 2 + ' #+-1+* +, "'0*E S 20# 4 . O -"30 2 #+' 0" 0* ,4 ;1 '0/"+* 2" F"#-01 20 *"' +202+(0G+-2" /4#0# -5+11+ . 0 * "* $#0;01:"* "# / -0+*(,#", # 0 ' . +-$+ , "#$4/4+G+*(0-$+* 2" 94" "* . 0$+# 0+* +8"1 '"*

"*$+# "# . +-1+ ' -2 '020 +, "'O 1+#O O *"' +202+ -0#':02" -" '0 . -:" 2" ,#"/#+**"(*4*1+-$0-2" 2 *'4**"+* 2+ *4 . #0" -1+#+**+ *" ' ;#+ 2 +#+-$+* 94+*1"+* 2+ *' +-' 0(0G+-2" "* *+-* *"' "* '" . . 4- 'O ' "+* 2+ *4 ; 2" ,#+/" ,0#O O . +2 ' -O +' #4#/ 0(+ +10;"#0-2" 2 3+#*"* #+101"# "*(,"# +81#+ . " #+'" . #0+-203+ * O $" 2"* "* #+*, + 1"* Ž ' +1"* *+#3 /"* 94+ $+#- ,#+*102" O *' +-' O + O :4#00- 202+(+ ,+10 +*,+#0-/O 2+ -"3"* $#0;01:"* $ 1 ** . "*(+ +*$O '"#, "#0/0" . +#+'+2"#O 2" 1 *"-/+ #" $ $41" 2+ ;+-+ . +# 10

. ' 0-+ #" 2+ AC>7 2 # / 4 O *"' +202+ 0* '0 . 0#0* 1+/ *10$ 30* - . O -"$03+1 #+,#+*+-$0/4"(," -2+#0-2" 94+ 0** #O '" . " *+ 2030 0"* 014 . X -"* 20* +*'"10* . +2 '" ' #4#/ '0* 2+ *;"O + "#$" "* . +* . "* +*$4 2"* 94+ $ -1 0 - "* 014 . -"* 20 - N+#* 202+ 2+ " . ;#0(+#O 2+ $"20 O +94 202+ 94+ *+ ;+* 2+**+ O . +* . O /#0240/0"

0" , "2+-2" -"* $+# O *01 * 0/0" 2+ #+/ *10# 094 ' - +**O #+,#+*+-$0/0"($#0-*'#+3+ . "* 0" . +-"* 240* ,0**0/+-* 94+ 20" 2+O 2"* ,# -+ , "* 0,#+/"02"* ,+10 *"' +202+

K "F+ + . ' 1"2"* "* ,0 G+* 114*$#02 "* *+ 0':O #+4- 20 O ' #4#/ O '" . ' O . +2 ' -0E +' 0** #O +' -+'+**0# "E ,"#94+(*+ 0* . "1+*$ 0* . 420 . ' 2+ 1"/0#+*(F0 . 0 * . 420 . ' 2+ +**+-' 0 ' -20 , -/4+ . ' 2 3 2 4 0* 4, ' ' /"+* 2" : " . + . ' +#O 240* '10**+* 2 *1 -'10*E ,"# **" -+* . " 0* 1+*"+* 25+**0* 4-'/"+* 2+ . 0-+ #O -+-:4 . O *+ ,"2+ . ' ,#+*10# O 4 . O 2 3 *0, $0" 0#; $#0# 0(+ 0-1 *' +-$ 1'0< " :" . + . ' -$+#-" -0" 2 1 +#+ 2" :" . + . ' +81+#-"E -0" :O 240* , :N* "1"/ +*E -0" *+ ,"2+ . ' 20# 240* ,0$:"1"/ 0*Z

K ' ' #4#/ O -0" +(-+ . ' , 2+ *+# 4 . ' #0 . " *+,0#02" 20 . +2 ' -0E ' 4 . ' $#"-'" 20 /#0-2+ 0#3"#+ 20 *' +-' O 2+ '4#0#(94+(*+ O "#/O :5" 0##0-'0#+#-(:O 2+ +- +G0# *+ + :"##+#E O ' #4#/ O +' O ,0#$+ . 0 401(+ $013+G O . 0 * 2+1 '020 20 . +2 ' -0E +' " *+4 41$. " + . 0 * +-+#/ '"#+ ' '4#*"E +' O 4- 'O 0-'"#O 2+ *0130/0" ,0#O . 4 10* +' 30# 020* +- +# . 20 ' 2+*' ' 0'41$0$ 3+(-01 . +-$+(94+ -0" *"4 ,+# . +2 ' -0(-02 *+ ,"2+#O ' :0 . 0# ' #4#/ 0"(,"# ** " . +* . " 94+ /-"#O "* . "$ 3+* 94+ #+'10 . 0#O 0* ",+#0/"+*(" 94+ +' $0-$"("4 . 0 *(2" 94+ ,#01 '01 0* H

+# . $#030 O #+,#+*+-$0/0" '" . ' 4 . ' . + " '"-' 1 02"#(94+ -509 +110 ,"'O +#O ,#42+-$+ 02 . $$ #<

$ + ,"# 01/4 - . "$ 3+(,"#+ . (94+ O *"' +202+ -0" , 2+ 2+*'" ' ;# #(-0" '"-3+ . ' 20# 0"* 014 . -"* 25+*10* 240* +*'"10* "* /#04* + .

. '2 ' -0(2++ . *+ 11 +* 0" . +-"* + . ' ' #4#/ 0E + . ;"#0 94+ . "* ' " . ' 0 0-" . 01 0 94+ 0 2*$+ . "* . " #+*, + 1" +8 *1+ +#0 "-2#+*(+ $0 . ;+#0 ' " . ' "* . +* . "* . "1 3"* H

' *"' +202+ 0G 0 *+-1 # 94+ " 2+ +# . +-$" 2 #+, #+*+-$0'0" + . ' -020 0/#03030 0* 2+*, +G0* 2" :+*"4#"(0" , 0** " 94+ 1 3#030 0 -0'0" , "#10 ' /4+G0 20 3+#/"-:0(/#0-2+ 3+#/"-:0(2+ #+ . ' "* 014 . -"* 2+*$0* 240* +*' "10* -+-2 /0# 0 , 0 G+* +*$#0-/+ #"* 4 . 0 ' "-* 2+#0'0" , 4 ; 1 '0(94+ 0 *40 , 0$# 0 030#0 :+* -0" ' "-'+2 0

' $+ . , " $#"48+ ' " . * / " " # 4 . , ; " ' " . , 1+1" , 0#0 "* , # -' , "* *4*1+-$02"* , "10 *"' +202+(' " . " " , , "#14-0 . +-1+ :03+ . "* 2+ 3+#

+10 '0#$0 2+ 1+ ' 2+ A? 2+ +3+#+ #" 2+ AC>> 1 -:0 ; /"3+#-" * 2" 04'1"# *02" 0 "#/0- *0# 0 #+, 0#$ /0" 2+ *042+ , 4 ; 1 '0(+ 0 #+/410# " *+#3 /" + " , +**"01 20* +*$0/"+* 2+, +-2+-$+ ' 25+110(, +1" #0"2" 94+ +- $+-2+**+ ' "-3+- +-1+ 0"* -$+#+**+* , 4 ; 1 '"*

. ' 3 #$42+ 25+*$0 04'$"# *0/0" , #" . 41/"4 " 2+'#+$, ' 2+ AC 2+ *+ ' $+ . ; #" 2" . +* . " 0--"(+ 0: ('0, $41" . (+*$0; +1+' 0 #+*$# ' /"+* 0" +8+#' ' " 20 #0+2 ' -0(' " . ' 2+$+# . -020* '104*410*

0" ' "4 . , 0** 3+1 0 "' +202+ 20* ' +-' 0* +2 '0* 2+ *; "0 " 2 0 D 2+ "4$4; #" , # -' , "4 0 2 *'41 # 4 . 0 #+, #+*+-$0/0" 0" /"3+#-" '"-1#0 0 #+*1# '/0" 94+ ' 2+'#+$" 0G 0 0" 1 3#+ +8+#' ' " ' 20 . +2 ' -0 + ' #4#/ 0($0-$" 0 . +2 '"* ' " . " 0 ' #4#/ "+*

* , # -' , "* 94+ 0 *"' +202+ *4*$+-$"4("#0 . ' 94+ 0 #+*$# '/0; +#0 , "4 '" 2+'"#"*0 , 0#0 "* 0'41$0$ 3"* + , 0#0 0* +*' "10*E "1 +-2 0 2 #+ $"* 1+/ $. 0 . +-$+ 0294 # 2 ; *E +*$030 +#0 2+*: 0# . "- 0 ' " . ' "* +*$4 2"* 94+ 0 1+ ' ; 8 / 0 , 0#0 "# . 0# "* '1 - 2"*E + +#0 . , "** 3+1 -0 , #0 $ '0 20 0#$+ 2+ '4#0#(, "#94+ F2 :0" +8 *1 0 +**+ . 4#" 2+ ; #"-G+ 94+ 0 -20 " *+'41" 83 - 94+ 0 +*10; +1+'+# +-1#+ . +2 '"* + ' #4#/ "+*

"* -* 2" 0--" 2+ ACVI 2 G 0 ; . ' 114*1#02" *"' " + . ' , 1+-0 *+* ' *0" 20 *"' +202+E K #0 . ' 2+*2+ 0--; * +*$+#+1* 1"2"* "* #+*41$02"* 20* -"**0* 14' 0*(-4$+ * "* -"**"* +* "#/" 0 "# . 0 * #0' "-0+* + F4*$0* + F42 ' "*0* 94+ "**+ . ' 0* '"$ '14* +* 2"* -"**"* +*$42"*(, "# . 0 "# 94+ "**+ ' 01'0-'+ 20* -"**"* 2 *'4**"+*(-+ . ' " ' *+"* +' ' "*(-+ . ' " ' -:+' . +-$" " ' 01 25+110* '"-*+/4 0 . ' 0" $ +-"* 2+*, +#$0# 0 0$$+-/0" 2"* , "2+#+* , 4 ; 1 '"* H

0* +**+ . +* . " *"' " *+ #+' "#2030 2+ 240* 2, "'0* 2" #+ -02" 20 *+-:"#0 ' 0# 0 (+ . ' 94+ "* *+#3 /"* 20 *"' +202+ $ -:0 . ' * 2" 0, #+ ' 02"* + -4302"* , +1" /"3+#-" ' 0" . 4 $" * /- '01 30* 0* +8, #+**"+* 25+**0 #+' "#20/0"(+ 09 ' 0* #+/ *$0#0"E

K *$030 . "*(-01 . +-$+(; + . ' 2 *$0-$+*' 20*' + , "'0*' /1"# "*0*(2:094+1' 10*' + , "'0*(' " . "' 0*' 2"' AC>C' +' ACD7(+$-' 94+' "*Z, "2+#+*' 2"' +*$02"' :"-#0#0 . ' Ø *"' +202+' ' " . ' , "#10# 0*' 2+' 1"43"# +' 0/#02+' . +-$"[H

0"' -"*' *" #+' "' 0- #0"' 2+ 80# -"' * 1+-' "' Ø -2 '0"0"(+ . ; "#Ø ; #+3+' +' . , +# + $0(2+' 01/4-*' 0**4 . , $"*' 2+' 3 $0[-1+#+**+(94+' $++90 * 2+' " ; ' F+'$"' 2+' 2 *'4**0"' -"' *+ "' 20' *"' +202+("4' "#0 . ' '"- 02"*' 0"' +*142"' 2+' '" . . **"+*' '" . , "*$0*' 2+' 114*$#02"*' *"' "*

-1+#+**0-$ ** . Ø " ' Ø 2 *'4**0"' *" ; #+' Ø -+'+** 202+' 20' '#+0BE0"' 2+-' -"3"*' :"*, $0+*("-2+' *+F0 . ' , "*$"*' + . ' +8+'4) 0"' 1"2"*' "*' , #+'+ $"*520' :N/ +-+' -"*" . '01E + . ' #0G0"' 2+' 94+' "*' +8 *$+-$+*' +*10"' $"2"*' . 0 *' "4' . +-"*' 1"-/+' 2+' , "2+#+ . ' *01 * 0G+#' 0*' +8 /+-' 0*' 20' *' +-' 0

+1"' 2+'#+$"' 2+' IW' 2+' . 0 "' 2+' ACVI' " ' -"-1+020' 4#00' '" . . **0"' +*, +' 01('"#0, "*$0' -Ø *40' 940*' ' $"$01 202+' 2+' 0'41$01 3"*' 2"' :"*, $0[2+ ' "*+(+-'0##+/020' 2+' -2 '0# "' 1"/0# + . ' *; "Ø . 0 *' 0, #", # 02"' , 0#Ø Ø +2 +0/0"' 2+' 4 . ' -"3"' :"*, $01' ' 3 1(+' '"-F, -'10 . +-1+' 2+' , #", +# $"' 20*' 0*' . 0 *' '"-2 '"+*('"-24'+-$+*' +' -2 *, +-*03+ *' , 0#Ø' 94+' "' -"3"' :"*, $01' 2+3+**+' *+# '"-* 2+#02"' '" . "' "' , #"1" 1N, "' "4' , 02#0"' 2+' 1"2"*' "*' +*$0; +1+' . +-$"*' 2[+*1+' /+-+#"(94+' , "# 3+-$4#Ø' *+' :"43+**+ , ' 2+' 0G+# 2[+-10"' , "# 2 0-$+' + . ' "#$4/01

"# +*$Ø' "''0* 0"' *+' 2 **+' . 4 $"' 2 *'#+$0 . +-$+< '"*9"4 +02"*' *0"' Ø . +1: "# 2+' $"20*' 0*' /0#0-$ 0*' 2+' 94+' *; "a' :Ø 2+' , "**4 #(^-B .(4 . ' :"*, $01('" . ' "' 9401' *+' , "**Ø' :"-#0# 0"*' "1: "*' 20' *' +-' ' +' "-2+' "*' 2+*/#0 02"*' 2"+-$+*(94+' 01' "#+#Ø' #+' "1: 2"*($+-:0 . ' Ø ' +#$+GØ' 2+' +-' '"-$#0# $"20*' 0*' '" . . "2 202+*' +' *"' '"##"*(94+' * ' :+*' , 2+' , #+*$0# Ø '0# 202+(. 0*' 114*$#020' +' -$+1 /+-$+ P

' . + . "#03+1' Ø *0: Ø +' . 4 $"' 2+*+-3"13 20' #+, #+*+-$0'0"' 94+' 0"' /"3+#-"' +G *4; # Ø *"' +202+(*"; #9' Ø #+ "# . Ø 4#/+-$+' 2"*' :"*, $0+*(+ . ' 20$0' 2+' AV' 2+' 0/"*$"' 2+' ACVI

+, " *' 2+' 0, #+*+-$0# "*' #4'$"*' 20' 1"-/Ø 2 *'4**0"' 94+' 24#0-$+' 4-*' , "4'"*' 2+' . +G+*' $ -:Ø "''4, 02"' Ø *"' +202+(2 G Ø' Ø #+, #+*+-$0/0"<

" . "' :" . +-*' 2+' *' +-' Ø' +' 2+' '"-*' +-' Ø' +*$422 . "*' $" . ' 0) -'"' -. Ø' 20*' . 0 *' '" . , 1+80*' 94+*$"+*' 94+' *+' , "2+' 0, #+*+-$0# 0"' -"**"' +80 . +E '" . "' :" . +-*' 94+' , #+*0 . ' Ø *40' 2 /- 202+' *' '-$) '0('" . "' ' ' 2020"*' 94+' 0 . 0 . ' "' ; + . ' 20' *40' , 0$# 0(+' 2"*' *+4*' *+ . +1: 0-$+*(3 . "*

. ; D ; J

'" . 0 '"-*' +-' 0 2" 2+3+# + 0 # +G0 20 #0G0" 2+ 94+#0 +*1420(2+*+0Z
#"10# ,+#0- + 3"**0 . 0/+*$02+ " 9402#" 20 -"**0 $# *$+ * $40'7"(+#0
0**4- ,1" 2+ ;+-+ '+-' 0 :"*, $010#(+ *+ "4*0 . "* . ,1"#0# 2+ 3"**0
. 0/+*$02+ 01/4 . 0* #+ "# . 0* #0,"#10-1+*(+ 94+ -"* 0':0#0"* 0- . 0
2"* '" . "* . 0/-) '"* +8+ . ,1"* 2+ 0 . "# 0 *' +-' 0(2+ *+-* ; 1 202+
,+10 *"#$+2"* - +1 G+*(94+ 3"**0 . 0/+*$02+ -0" '+**0 2+ -"* 20#

0 "' +202+ 20* ' +-' 0* +2 '0* 2+ *;"0 '"-$0# '" . " 2 0 20
40 . 0 "# /1"# 0 09 +11+ +#0 94+ 3 # " *+4* 2 1 /+-$+* +* "#/"* +#0 ;+
-+2' " 2"* ,";#+* 94+ *"1 #+ . ('"#"02"* '" . "* 0, ,104*"* + 0 02:+*0"
2" 3"**0 . 0/+*$02+ Z

0" 6 341/0# 9- *+ 011+ 4 . 0 1 -/40/+ . $0" -";#+ + $0" #+,0**020
2+ 2[/- 202+('" . " 094+110 94+ 0'0;0 . "* 2+ "43 #

"#0 . 2+ *4 . . ; -$+#+**+ 0* ,#"3 2+-' 0*(2+ IA 2+ 2+G+ . ;#"
2+ ACVI(0'"-*+1:020* ,+10 "' +202+ 20* ' +-' 0* +2 '0* 2+ *;"0
'"-$#0 0 * - 94+ +-10" 103#030(,#+*+#301 30* 2+ -"30*
-30*"+* 2" 10/+11"

4#0-$+ 2" *0--"* " 10#/0 . +-$+ 2 *'41 20 0 . ,"#10-$ ** . 0 94+*
$0" 2" * 0 . +-$0 . "* -0" ,"2+# #+/ *$0# 094 0*
'":'14*"+* 0 94+ 0 *"' +202+ '1 +/"4

4*1 1'02 ** . 0 6 0 1+/+-20 20 2 3 *0 25+*10 *"' +202+< A

"-* 2+#+ *+ '" . " +8+ . ,1 '0$ 3" " 94+ 2+ 80 . "* #0, 20 . +-$+ -
2 '02" -':+# 0 . "* 1"-/0* ,-/ -0*(*+ ,"2+**+ . "* 20# '"-$0 2+ $"2"*
"* 0**4 . ,$"* 94+ *"' +202+ $+#- 2 *'4$ 2"(2" $"2"* "* ,0#+'+#+*(+
#+10$"# "* 94+ +110 $+ . +10;"#02"(-" -$+#+**+ 20 *' +-' 0 + 20 :4 . 0Z
- 202+

I

" 2 0 A7 2+ 2+G+ . ;#" 2" 0--" 2+ AC77 #+4- 4 " 2"4$"# -$"- "
0#1"* 2+ +11" + . *40 '0*0(-0 ' 202+ 2" "#$"("* *+4* '"11+/0* -0
0'41202+ 2+ . +2 ' -0(+ :+* ,#","G " +*10;+1+'1 . +-$" 2+ 4 . 0 0**"' 0
0" 2+ 1 11+#0$"*($+-2+-$+ '"#0 . 4- '0)0" 2+ 2;0* + ,+-*0 . +-$"* *"
;#+ "* ";F+'$"* 2+ *40 ,#" **0"(" 0 ,#" . "3"# "* . + "* 2+ 04/#0+-10#
"* '"-:'' . +-$"* + "* '"-3+#$+# + . 9$ 1 202+ ,4;1 '0

R "#$ & "#+ 1 +0"00 < Z

' '"-3 202"' ,+1"' 2"4$"# +11"' 0, ,1042 #0 . "' ,+-*0 . +-$"' 94+' :+*' "' 0,#+*+-$02"E 0**+-10#0 . ' ,"#+ . (0) -01(+ . ' 4-20# 4 . 0' *"' + ' 202+' *' +-$ '0(94Q : 0"' *+' 1 . $0**+' 4- '0 . +-$+' *' +-' 0*' . +2 '0*(. 0*' *+' +*$+-2+**+' 0' $"2"*' "*' #0 . "*' 2"*' '"-;+' . +"$"*' :4 . 00"*

, ,#"3020' +*$0' 2+0(#+*"13+0 *+' 94+' 0' *"' +202+' *+' 2+-" . -0**+'

@2 ' ' ' 5 ' ' '

1+/+#0 . ' ,#+* 2+-$+' +' -" . +0#0 . ' 1"/"' 4 . 0' '" . . **0"' +-'0##+' /020' 2+' "# . 0# 4 . ' ,#"F"'1"' 2+' +*$0$4$"*("*' 940+*' "#0 . ' 2+," *' 0, ,#"Z' 302"*(+' '"4*1 $4 #0 . ' 0' 1+' "#/0- '0' 20' *"' +202+' ‖

#0' 20' -$+") 1"' 2"*' *"' "*' 04/ . +-$0# '020' 4 . ' "*' *+0*' '"" :+' ' . +-$"*' ,"# . + "' 2+' 1+ 14#0(2 *'4**0"' +' . 4$40' '"#0 . 4- '0'0"(+' 0"' . +* . "' $+ . ," $#0;01:0# ,+10' 2 4*0"' 20' -*$#4''0"' -0' "-01([+' ,#" . " ' 3+# ' 94+' "**+' 2+' -$+#+**+' +' 4$ 1 202+' 2"' ,4;1 '"

4''+** 30 . +-$+' "' '#+*'+-2"' "' -4#0+#"' 2" ' *"' "*(2+' *"#$+' 94+' -"*' -*' 2"' 0--"' 2+' AC7>' +*$030' 0' *"' +202+' +#0' 4#0' ;" . ' ,+

-:0 . ' * 2"' '+1+;#020*' 2 3+#*0*' *+**"+*' . ,"#$0-$+*(-0*' 940+*' *+' 0;# #0' 2 *'4**0*' *";#+' 0**4 . ,$"*' #+'" . . +-203+ *' 2+' *' +-' 0*' +' 1 $$+' #0$4#0E +' 0** . ' ,0#+'+4' -+'+**0# 0' 0' ,4;1 '0)0"' 2+' 4 . ' ,+# "2 '"' ,# 30' $ 3"' 20' *"' +202+

"' 2 0' AD' 2+' "4$4;#"' 2"' -2 '02"' 0--"' 2+' AC7>' "' ,+10' ,# . + #0' 3+G' ,4;1 '02"' "' #+,#+*+-$0-$+' 20' *"' +202+' -0' . ,#+-*0' '" . ' "' *+/- -1+' $ $41"<

% * ' ' ' ' ' 5 ' ' ' +' ' '

"' 0--"' 2+' AC7D' ,0#+'+4' -+'+**0# "' 20# #00 "# 2+*+-3"13 . +-$"' ' *"' +202+(+' . "2 '0# '"-3+- +-$+ . +-$+' "*' *+4*' +*$0$4$"*

' *"' +202+' 1" . "4' +-$0"' 0' 2+-" . -0'0"' 2+' ' '

* 094' "*' 0#$ /"*' 2+ *+4*' -"3"*' +*$0$4$"*(94+' # "*' 20"' 2+0' 2"*' -*' 0' 94+' -ʃ+**0' +,"'0' *+' ,#",4-:0' 0' *"' +202+<

#$' AS ' *"' +202+' $+ . ' ,"# . ' "' 04/ . +-$"' +' 2 4*0"' 20*' *' +-R ' 0*(;+110*' 1+$$#0*(+' 20*' 0#$+*' "4' $+' : -"1"/ 0

#$' IS *' . + "*' ,0#0' '"-*+/4 # +*1+' . ' *0"' 0*' 2 *'4**"+*' #+/4' 10#+*(0' 1+ $4#0' 2"*' ,+# "2 '"*' +' 1 3#"*' *' +-$ '"*(+' 0*' ,4;1 '0'"+*' ,"# 3 0' 20' . ,#+-*0

"3' *' +*$0$4$"*' *0"' 20$02"*' 2+' IC' 2+' +3+#+ #"' 2+' AC77(+' $++ . ' 0*' 0** /-0$4#0*' 2+' /"*1 -:"' 1;0-"' 20' 13+ #0' -$"("*+' 0 . +##"' 20' 130(-$"- "' "#$4-0$"' 0#1 -*' 20' #4G(0-4+1' "094 . ' 2"*' 0-$"*(+' -$"- "' 0#1"*' 2+' +11"

? 20 ,# . $ 30 *"' +202+ ,0**"4 0 2+-" . -0# *+ % *
+
" . *0$ * 0) 0"$- . 0 . "* -"$0 2+ 4 . 0 ,"-$0 . +-$" 94+ +*'#+3+4
#0 - ' *' 2+ 4 G('0#2+01 0#0 30(#+101 30 . +-$+ > "' +202+ $
$+#0# 0 "#14+-*+<
Y . +* . " 0--" BAC76 0 "' +202+ $$+#0# 0 "#14+-*+ -"#0+"4 . + *+4 *"' " :"-"#0# " +*$0 *"' +202+ "1 +#+' 0 5
* * : '+1+;#+ . +2 '" ,"#$4/4+G(0 9401 " . ,#+**0 -" AS -4 . +#" 2"* AC7V H
! +F0 94+ 0 +*$+ #+*,+ $" 2 **+ . "* -" $" . " 3 (,0/ >AW(,"# "'' 0* 0" 2+ (0,#+*+-$0# . "* 01/4 . 0* -"1 ' 0* 0 #+*,+ $" 2" "#-01<
+ . AC7V
+ '0 . -:" ";*+#30#+ . "* 94+ -" AS -4 . 2"* *" +-'"- $#0 4 . 2" 2# /"*$ -:" 1;0-" 20 13+ #0 -$"(-" 9401 . - *$#0 +1+ . +-$"* 2+ - "# . 0'0" ,0#0 0 : *$"# 0 20 *"' +202+ 2+ 94+ $#0$0 . "* -+*$+ '0, $41"

0# +* ,#", # +$0# +* +103#02"#+* #+,#+*+-10#0 . 0" /"3+#-"(,+2 - 2" 1;+ 94+ ;"43+**+ 2+ '"- 1# . 0# "* +*$0$4$"* 2+ 4 . 0 *"' +202+ 2+ 0/# '41$4#0(,"# +11+* 4-2020 -0 ' 202+ 2+ *;"0
? /"3+#-"(,+1" 2+'#+1" 2+ I 2+ F41:" 2+ ACDA '"- # . "4 "* +*R $0$4$"* 94+ :+ "#0#0 0,#+*+-$02"*('"#0,"*$"* 2+ " $" 0#1 /"*(+**+- ' 01 . +-1+ ,#+,0#01"# "* ,0#0 4 4#0 + 2) - $ 30 '"-*$ $0 0" 20 *"' +R 202+(+ "#/0- *0'0" 2+ *+#3 /"*
? /"3+#-" 0, ,#"3"4 0 4-20/0" 20 *"' +202+ 2+ 0/# '41$4#0((+ '"-R # . "4 "* +*$0$4$"* #+*,+'$ 3"*('" . 0 '104*410 +8,#+**0 2+ 94+ '030 . 2+,+-2+-$+* 2+ -"30 0, ,#"30/0" 0* 01$+#0/"+* 94+ 0 +8,+# +-' 0 . "* $#0**+ -+'+**0# 0*
+'10 03294+ #+$ #0# 0 0 *40 0, ,#"30/0" 2+*2+ 94+ 0 *"' +202+ *+ 2+*3 0**+ 2" 2 * / - " ,0#0 94+ +#0 +*$0;+1+' 20
8 / 4 94" 0--401 . +-1+ #+ . +1$+**+ > *+'#+$0# 0 2" +*$02" 4 . 0 '" , 0 041:+-$ '0 2" #+10$"# " 2+ $"2"* "* 02"* *"' 0+*(1"/" 94+ 2+*1+*(+ . 0**+ . ;1+0 /+#01(*+ 2+**+ '"-$0 0"* 0**"' 02"*

 #@0 &" 2# & & +% 1 " % *
(#+* +) 0 0 &)# , &%1 06 0+"#&# #" "*0 , 6 &&* #+, 5 * &#) ,,# 0 & " & & * & B# 1 * 1 0)6%1 0& 0*,0& # #&)%6 #& "0 & * #"0"#

?' ,# . + #"' 0#$ /"' 2"*' -2 '02"*' +*$0$4$"*' '8,1 '0' "' ";F+'$"' 20' *" '
' +202+<

K ' "' +202+' 2+' /# '41$4#0' +*$0;+1+' 20' +#0' *;"0' $+#-' ,"# ";F+R
'$"' 0' *"14/0"' #0' "-01' 2+' $"20*' 0*' 94+*$"+*' 2+' '41$ #0' ,#0$ '0' +' 2+' +'" '
-" . 0' 0/# '"10(' 94+' ,"2+ .' -$+#+**0## 0"' ,#"/#+**"' + +'1 3"' + .' "#$4R
/01' 20' ,# . + #0' 20*' -"**0*' -24*1# 0* ,

0#0' ";$+## +*$+' #0(' 0' *"' +202+(' 1"/"' 94+' +*$ 3+**+' 2 - $ 30 . +41+'
'" *$ $4 20(' 2 3 2 # *+ 1 0' + .' $04$0*' *+'/"+*' 9404$0*' "**+ .' +8 / 20*'
,+10*' +*,+' 91 202+*520' *' +4' 0(' +' ,+10*' ' #'4 . *$04' 0*' 0/#"4" . '0*' 2"'
,0 G

' *"' +202+' $+# 0' 2+*2+' 1"/"' + .' ,0#$ '410# '"-* 2+#0'0"' 0' :"#1 '
'41$4#0(' +' 0' FO#2 -0/+-

"*' +*$0$4$"*' +#0 .' 0,+-0*' 10-/02"*' "*' $#0/"*' /+#0+*' 20' "#/0- *0'
/0"' 20' *"' +202+(' +' 0, ,+11030 *+(' -"' 2+ . 0 *(' ,0#0' 4 .' #+/410 . +4$"' "4'
#+/410 . +-$"*' -$+#-"*

*,+#030 *+' 94+' -0' *+'/0"' 2+'FO#2 -0/+ .' *+' -*'#+3+**+ . 0*' *+-:" '
#0*E 94+' -0*' ,#"3 -' 0*' *+' -20**+ .' 0**"' 0/"+*' 0/# '"10*(' 0-01"/0*' 0'
+*$0(' . 0*' 1 3#+*(' '" .' 0*' 940+*' ,"2+**+' +*10;+1+'+# *+' '"##+*,"-2+-' 0(

?' 41$. "' 0#$ /"' +#0' 0** .' '"-'+;2"<

K ' *"' +202+' ,#"'4#0# ' ";$+#' ,"#' '"-'+**0"' 2"' /"3+#-"#' ,"# 0#'
#+-20 . +-$"(' "4' ,"# " $#"' 940194+# . + "' 1+/ $."(' "' 4*"' 2+' 4 .' "4' . 0 *'
$+##+-"*' 0,$"*' ,0#0' -5+11+' "4' -5+11+*' *+' '"-*$#4 # 4 .' "4' . 0 *' ,#+2 "*'
#4*$ '"*' +8,+# . +-$0+*(' "-2+' *+' ,"**0 .' 0 +## ,+10*' '"42 /"+*' 0/#"-"R
. '0*' 2"' ,0 G 0*' '41$4#0*' +' "*' . +$:"2"*' 94+' 0' *' +4' 0' #+,4$0' + .' $:+*+'
'" . "' . 0 *' #0' "-0+*' +' ,#"/#+** 3+* Q

#0$042" *+' 094 ' 2"' 94+' #+*,+ $0' 0"' #+ -02"' 20' *+-:"#0' ' 0# 0' (
0,+-0*' . 4 $"' ,"# . 0 "# ,"2+ ."*' 20## 01/4 . 0*' -"$ ' 0*' 2"' 2+*+-3,13 '
. +-$"' 94+' $+3+' "' ,# -' , "' 20' 0**"' 0/0"(' 0, ,1 '02"' 70/# '41$4#0
.' ID' 2+' . 0#/"' 2+' AC6?' '"-*$ $4 4 *+' 0' ' ' '
' *

F +1"' 2+'#+$"' 2+' A6' 2+' 0;# 1' 2"' . +* . "' 0--"' 0, ,#"3"4' "' /"3+#-"'
0' ' +' '"- # . "4' "*' #+*,+'$ 3"*' +*$0$4$"*' B?' 2+'#+$"' . +-' "-030'
0' ' #'4 . *$0-' 0' 2+' :03+#+ .' #+,#+*+-$02"' 2 3+#*"*' ,#",# +$0# +*' +' 103#0'
2"#+*' #+* 2+-1+*' + .' *;"0(' '" .' "' .' 2+' *+' '"-*$ $4 #+ .' -0' -2 '020'
*"' +202+E' +' ;+ .' 0** .' 2+'10#030' 94+' "' /"3+#-"' $" . 0#0' + .' '"-* 2+#0'
/0"' 0*' /#0-2+*' 30-$0/+-*' 94+' 2+' $01' 0**"' 0/0"' ,"2 0#0' #+*41$0# + .' ;+'
-+ ' "' 20' ,# -' ,01' 20*' -"**0*' -24*$# 0*

+1"' 0130#0' 2+' IA' 2+' 0;# 1' 2+' AC67' 2+'10#"4 *+' +1 #+' ' 4 G' ,#"R
$+'$"# +' ,# . + #"' *"' "' 20' **"' 0/0"' +-$#01' 20' /# '41$4#0' 9#$4/4/G0

. ; D 9 J

. AC 6 ' " . + ' " 0 0 , 4 ; 11 ' 0 # * + 0 %

1 2 # / 20 , + 1 * # " * 6 2 + 10 # ' 0 " . AC67 F4 - 1 " 4 * + 0 0 * * " ' 0 ' 0 " ' + - $ # 0 1 2 + . , # + * 0 20 % 94 + ' " 4 * + - 2 " * + 4 " # / 0 " , 0 # 0 ' " - $ - 40 # 0 2 4 - 2 # 0 - * $ # 4 ' ' 0 " 0 / # ' " 10 + , # " . " 3 + # " * - $ + # + * * + * 20 0 / # ' 41 $ 4 # 0 , 0 $ # 0

. AC66 ' " . + ' " 4 0 , 4 ; 1 ' 0 # * + 0 % * * 2 % : 1 o

! + F0 02 0 - $ + 4

) I

0 - * $ $ 4 ' 0 " 2 + * $ 0 * " ' + 202 + 2 + . " * ' " - ; + ' . + - $ " - " $ " . " 3 (, 0 / VA 0 V7 (, " # " ' ' 0 * 0 " 2 + : * 1 " # 0 # . " * " 94 + 2 G #+ * , + 1 " 2 #+ / + - ' 0 2 " 2494 + 2 + #0 / 0 - / 0 BAC71 0 AC7 >

0 . " * 0 / " #0 0 , #+ * + - $ 0 # 01 / 4 . 0 * ; #+ 3 + * - " $ ' 0 * * " ; #+ + * $ + + * 10 ; + 1 + ' . + - $ " - " , + # " 2 " 2 " #+ - 02 " 20 * + - : " #0 0 # 0 -

+ 1 + ; # " 4 0 * 40 , # . + #0 #+ 4 - + . 0 * * + . ; 1 + 0 / + # 01 - " 2 0 A 2 + + 3 + # + # " 2 + AC77 ** $ #0 . 0 + * * + 0 ' $ " 0 #0 - : 0 (" , # - ' , + 4 / 4 * $ " B * + 4 + * , " * " (+ 0 . , + #0 $ # G 3 430 2494 + G0 2 + #0 / 0 - / 0 + , " * 2 + 4 . 0 ; #+ 3 + + 8 , " * / 0 " + 10 , " # 4 # - 2 " * 0 * * " ' 02 " * * " ; #+ 0 4 $ 1 202 + 2 + * $ 0 - * $ 14 / 0 " (+ $ + # . -020 0 1 + $ 4 # 0 2 " #+ / 410 . + - $ " + 20 1 * $ 0 / + # 01 2 " * 4 ; * ' # , $ " # + * (, # " ' + 2 + 4 * + 2 +1 + / 0 " 2 " ' " - * + 1 : " 02 # 0 - * $ # 01 3 " E ' 0 - 2 " + 1 + 1 " , # + * 2 + - $ + " , # - ' , + 4 / 4 * $ " (Z3 ' + , # + * 2 + - $ + * " * ' " - 2 + * 2 + - : 0 # + * (+ 2 " " # $ " 0 - $ " (* + ' # + $ 0 # " * " * 6 " # / + " 4 # + # " (+ " 0 " " * + + ' " ' 9

& - 2 " . + * . " 0 - - " 2 + $ + # - 0 20 $ 0 2 + 2 + * + $ + . ; # " . , " # $ 0 # 0 . 4 $ " 1 * " - / + # 0 , 0 # 0 0 * " ' + 202 + E

0 + - 2 " * 2 " 0 # # + . 0 $ 02 " " + 2 1 ' " 2 " ' " - 3 + - $ " 2 " * , # $ " 0 - $ " (+ . 94 + + * $ 030 ' " 11 " ' 020 4 . 0 20 * + * ' " 10 * 2 + + - * - " . 4 $ 4 " (' # + 020 * , + 10 " ' + 202 + , # " $ + ' $ " # 0 20 - * $ # 4 ' / 0 " , # . 0 # 0 < + 94 + # + - 2 " 0 # 0 - : 0 94 + + * $ + - ' 2 + - $ + - 7 " , # + F42 94 + 2 + . " 2 " 01 / 4 . " , # " / # + * * " 2 + $ 0 " 4 $ 1 + * $ 0 ; + 1 + ' . + - $ " (- + . * # 30 2 + + * $ " # 3 " (, " # # 0 " . + - $ 0 - + " 94 + * + F0 (0 " . 4 $ " 1 " 4303 + 1 + , 01 # " $ ' " G + 1 " . 0 - + * $ 02 " , " # 094 + 110 * " ' + 202 + - " 2 + * + . , + - : " 20 * 40 . * * 0 " 1 . 0 - 20 0 . + * . 0 04 / 4 * 10 * + - : " #0 , 0 # 1 b

' ,0# 2' #+ +# 20' *"' +202+(94+' 0' *";#+2 $0' +*'"$0' *+#2' . . +2 0$0#0+-$"'
$#0-* +# 20(0' '0*$0' 2"' /"3+#-"(,0#0' 4 . ' +2 1' "' ,#", # "(+' ;+ . ' * $402"(
'4F0' +*'"1:0' +*$2' F2' 2+$+# . -020 Z

*10;+1+'+0' 0' *"' +202+' $#+*' +*'"10*' ,+1"' . +$:"2"' 2+' +-* -"' . 4 '
$4"(2 # / 20*' ,+1"' ,#" +**"#' " '" "*+' +'"'9
. 0' 2'+**0*' +*'"10*(2+*1 -020' ,0#0' . +- -"*("' '"11"'020' -"' +2 '
' 2' 2"' +8$ -'1"' '"-3+-$"' 2"' *, # $"' 0-$"' 0**"4' 2+, " *' ,0#0' "' +2 '
' "' 2"' +8$ -'$"' '"-3+-$"' 2"' 0##0"("-2+' +*$+3+' ,"# . 4 $"*' 0--"*(
':+/0-2"' 0' #+94+-$01 0' ,+#$"' 2+' 940$#"'+-$"*' 014 . -"*
' +*'"10' ,0#0' . +- "0*' "' '"11"'020' -"' +21)' "' 20' #2+ .' +#'+ #0'
2"' 0# . "E . 0*' $+3+' ,"4'0' 24#0/0"
' $+#'+ #0' +*'"10' d;' 0;+#$0' -"' +2 1' "' 2"' +8$ -'1"' '"-3+-$"' 2"*'
0#;02 -:"*(2' *,+#0-/0(,0#0' "-2+' ,0**"4' $0 . ;+ 4' 0' 2"' 0# . "' + . '
AC>6
+10' 0**+ . ;1+0' /+#01(+ . ' *+**0"' 2"' 2 0' I6' 2+F4 -:"' 2+' AC76(" '
#0 . ' 0, ,#"302"*' "*' +*$0$4$"*' 20' "' +202+' 2+' -*1#4'/0"' # . 0# 0' + . '
*;"0
. ' ,#+*+-/0' 2'+**+*' +*$0 4"*' ,"2+ . "*' 80# ;+ . ' 0' -0$4#+G0' +' 2+* '
1 -"' 20' 114*$#020' 0**"' 0/7"(+ . ' 94+' $" . 0#0 . ' ,0#$+' 0*' ,+**"0*' . 0 *
9401 1'020*' 2+' *;"0(2+' 0 . ;"*' "*' *+8"*
9 $ ' ' >
A' S 341/0# +-$#+' $"20*' 0*' '10**+*' 2+' ' 2020"*' "*' ,# . + #"*' +1+ '
. +-$"*' 2"' *0;+# : - . 0-"('" . "' ;0*+' 2+' $"20' 0' -*$#4'/0"(+' ,#" . "3+#
0' +24'0/0"('" . "' . + "' 2"' 0,+# + /"0 . +-$"' . "#01' +' , ;N* '"' 2"' :" . + . (
+' 2"' . +1:"#" . +-$"' 2+' *40' 0,$ 20"' ,0#0' 940+*94+# +- ,#+/"*(0' 94+'
*+F0' ':0 . 02"' , "# *40' ,"* /0"' -"' ' #'41"' *"' 01
I' S "-* 2+#030' '" . "' -*$#4'/0"' ,# . 0# 0' "' +-* -"' 2+' 1+#(+*'#+3+#(
/#0 . . 0$ '0', "#$4/4+G0(0# $; . +$ '0(2+*+-:"' 1 -+0#(+' $#0;01;"*' . 0-40+*'
2"' *+8"' + . - -"
7' S "-* 2+#030' '" . "' +1+ . +-$"' +**+-' 01' 20' ;"0' +24'0/0"' . "#01'
2+' $"2"*' "*' ' 2020"*' "' +-* -"' 20' . "#01' ':# *$0' +' "*' 2+3+#+*' '0$:"1 '"*
>' S - #00# 0' "' +-* -"' 2"*' ,# . + #"*' +1+ . +-$"*' 20' . 4* '0(+' 0' -'
$#"24+/0"' 2"*' +8+#' ' "*' /N . -0*$ '"*(94+' :+', 0#+' 0 . *+#, 0#$+' 20' +24R
'0/0"', ;N* '0' 2"' ' 2020"(
5 ' ' ' ' ' >
A' S *$0;+1+'+# 0' +*'"10*' ,0#0' . +- -"*' +' . +- -0*(*+/4-2"' "*' . + '
$:"2"*' 0,+# + /"02"*
I(S 0# 0' '" . ,"#($#024G #(+' . ,# . # $0;+110' ,0#0' -*$#4'/0"' 2" '
. +- -"*(+' '" . ,+-2 "*' ,0#0' 2 # / # "*' ,#" +**"#+*

7 ' S #", "# 0' ,#+ . "*' ,0#0' '" . ,"* X7"' +' ,4;1 '0'0"' 2+' 1 3#"*' +1+ '
. +-$0#+*(+' 0- -0# 0' '" . ' #+'" . ,+-*0*' "*' . +*1#+*' 90+' . "*$#0**+ . '
. 0 *' G+1"' +' -$+11 /+-' 0' "0' 2 #+') 0"' 2+' *40*' +*'"10*
> ' S 0# 0' ,4;1 '0#(940-2"' "' F41/0**+' ", ,"#$4-"(4 . ' ,+# "2 '"' *" '
;#+' ";F+'$"*' 2+' "*1#4''0"' ,# . 0# 0' +' 2+' +24'0'0"(0' . ' 2+' ,#",0/0#
0*' 2+0*' 94+' $+-2+ . ' 0"' 0, +# + '"0 . +-$"' 25+*$+*' 2" *' #0 . "*' 20' . 0 "#
. ,"#$0"' 0

0#0' *+' '"- : +''#"' +-$: 4* 0* . "' +' 01/"#' '" . ' 94+' *+' -*$04#"4' +*$0'
"' +202+(10-/0#+ . 4' 090 (0' +8,1+"2 20' 1 *$0' 2"' ,+**"01' 94+' 0' 2 # / 4'
-"*' ,# . + #"*' $+ . ,"*' 2"' *+4' +8+#' ' "<

>

' ' ' 0' #0 4 : 0

' (' ' ,# -' ,+' ' +#-0-2"

' ' ' 0' 2494+G0' 2+' #0/0- 0

: ' >

' ' ' ' ,# -' ,+' ' +#-0-2"E *

"-2+' 2+' 03#02 "(+' '"-2+' 2+' 4 . 0#+*E 2*

+-$"' 4 1;+# . +' h1 -/+11 "+ +#E

"*+' "#/+' "4#+ #"(+' 1+ . +-$+' 130#+*' 25 1 3+ #0' +-2+*E 6 2

: ' '

-$"- "' "094 . ' 25 1 3+ #0

+1 8' -$"- "' " . -/4+*

: ' ' *

"094 . ' "*+' 20' "*$0' 2+' 0'+2"E -*+1 . "' "* ' #00 . '0 . ,E #'E
2+# '"' +*$+#E * 2"#+' "*+' 25 1#0+ 20(

: ' ' * >

"0"' "*6' +'"'9E #0-' *'"' #+ #+' 2+' 0#301 : "E "*+' #+2+# '"'
0#+'"*E "*2' 030#+*' 2+' 0'+2"E "*+' -$"- "' 0# 0' 2+' "4*0' G+'
3+2"E "*+' ;+#0$+' #+ #+' 2+' 0#301 : +E -$"- "' + ##+ #0' . 0*E #R
-+*$"' +*$+#E "0"' 2+' "4*0' -$"' 2+' 0/01 : 0+*

: ' ' >

"094 . ' "*+' 01'0"E 0-4+1' -$"- "' ! +11+G' 012+ #0E 0*'"' -$"'
2+' 01*+ . 0"

: ' ' * ' * ' ' ' ' >

494+G0' 2+' 01 . +110E 2494+G0' 20' +#'+ #0E . 0#94+G0' 2+' "-$0'
+1/020E . 0#94+G0' 2+' 0120-: 0E '"-2+**0' 2+' -: 0#+*E '"-2+**0' 2+'
110' +01E '"-2+**0' 2+' 4; *+##0Z(' 0# 0E ' 4 G0' #00 . '0 . ,' 20'
"': 0E ' 0# 0' /-0' 0' #00 . '0 . ,' 2+' +11"

+F0 . "* 0/"#0 9401 +#0 " +*$02" 20* '" *0* ,0**02"* 2"G+ 0- -"*
* 094 0* ""$ ' 0* 94+ + . " "414;#" 2+ AC>6 2030 4 . , +# "2 '
1 $$+#0# " 20 '0, $01 *";#+ " +*$02" 20 *"' +202+E
K 0410 2+ 94+ $#0$" & : " +*$0;+1+' 20 +#0 AC7D , "#
-#00 *"' +202+ 94+ *+ 2+-"#0 4"4 Y "' +202+ 2+ -*$#4''0" # #00# 0 3
K *$+3+ 0 ,# - ' , " -" +8$ -'$" '"-3+-$" 2" *, # $" 0-$" + . +
G+* 2+," * *+ +*$0;+1+'+4 "4$#0 -" +8$ -'$" '"-3+-$" 2"* 0#;02 -:"*
+ . ID 2+ 0-+#" 2+ AC76 5+*$+ . +* . " 0--" #+ "# . "4 0 *"' +202+
"* *+-* +*$0$4$"*(+ 0 0410 2" *, # $" 0-$" #042"4 ,0#0 " "-3+-$2
2" 0# . "("-2+ 0$+ :"F+ *+ $+#-' '"-*+#302" +*$0$ *$ '0 2" . "3 . +-$"
20* 240* 0410* 0##0" + 0#;02 -:"* 0,#+*+-$0 " *+/4 -$+ #+*41$02"$
" ++ . * 2" #+94+-$020* 2+*2+ 0 *40 '#+0/0" 0$+ 0" 41$. " 2+
2+G+ . ;#" 2+ AC>D ,"# I<W?W . +- -"*E 2+*$'* *0 #0 . A<DCW ,0#0 +*
$42"* *+'"-20# +*(2 3+#*"* " ' "* + . ,#+/"*E WA7 2+ 80#0 . 2+ #+
94+-10#E '0#0 . +8 *$ -2" ,0#0 " '",#+-$+ 0--" BAC>6 >?V *$+ #+
*41$02" 2+3+ *+# '"-:+' 2" + 0,#+' 02" ,+1" ,0 G -$+ #" 0** . '" . "
2+3+ *+# *0$ * 0$"# ",0#0 "* -*$ $4 2"#+*(94+ 0 +8,+-*0* *40* 0##0-
'0#0#0 0 "' "* 202+(0" 302 * . "(0" 3 ' " + $013+G 0" '# . + +**+* .
:0#+* 2+ '#+0-/0* 94+ *+ $"#-0#0 . 2+," * ' 2020"* ,#") '4"*
K *"' +202+ -*1 $4 2"#0(94+ '" . +/0#0 '" . 76V *"' "*(0'1 0 *+
:"F+ #+24G 20 0,+-0* 0 V6A 62+ '01'410# *+ 94+ 0 2+*,+G0 2+'020 014 . -"
0-20 0'$401 . +-$+($+# . " . +2 "(,"# AB 7?? #6 * *0 . "2 '0 2+*,+G0
* -/410#(94+ . 4 $" 0G 10 . +-$0# 94+ . +2 0-$+ $0" 2 . -4$0 940-$ 0 *+
-0" 2+##0 . + 0 -*1#4'/0" ,4;1 '0 ,"# $"2"* +'U "# $"20 0 ,0#$+(-0" *+
,"2+ 243 20# $"203 0 94+ *" . . 0-2" +#0 -4 . +#" 0341$02" 2+ 01- . -"*(
,#"2-G 4 . 0 940-$ 0 2+ '"-* 2+#0/0" ** . (" "#/0 . +-$" 20* 240*
0410* ,"2+ '01'410# *+ ,+1" . - ."<

0 #2+-02"* 2+ 2" * ,#" +**"#+* >C? ???# #+ *
$ $"* 2+ 2" * ,"#$+ #"*A AWV X??? H
K /40 + "4$#0* 2'*,+G0* DVFe??? H
V7> D0??? (H

K #0(*" . . 0-2" 0 '"-$# ;4 /0" 2"*V6 *"' "* +8 *$+-$+*(0)+999
#+ * 0--40+*(>D6 ???# #+ *(0':0 *+ 4 . 2+ IVCBeB??? #6 *(94+ 2+
940194+# . "2" 94+ 0 -20 :"F+ *+F0 *4, ,# 2"(0 . +0/0 *+3+#0#0+-$+ " 4
$4#" 2+*$0* +*'"10* +1+ . +-$0#+*(+ '"-*+94+-$+ . +-$+ 0 ,+#20 ,#"303+1
2"* *+#3 /"*(*+-0" + 94+ ,#"24G #0 $0 . ;+#0 0 2+*/#0/0(2+ . 0 * 2+
D?? ' 2020"* 0--401 . +-$+ +24'02"* -0* 0410* 2+ -*$#4'/0" ,# . 0# 0Z H[

A % < -4 . AW(4$4;#" 2+ AC>6E

? 0#$ '41 *$0 '"-'14 0 0G+-2 *+-1 # 0 -2 *,+-*0; 1 202+ 20 ,#" 1+'/0 . 0 * 2+*3+1020 + /+-+#"*0(20 ,0#1+ 2 /"3+#-"(+ . ;+-+ ' 2+ -*1 $4 '4+* $0+*

  +*'"10 20 "' +202 20 1"*$#0''0 # . 0# 0(+*$0;+1+' 20 - +2 ' 2 +8$ -'$ '"-3+"$ 2"* 0#;02 -;"*($+#- +*$02 + . +8+#' '"(+ *+ . -$+##4,/0 0$+ 0 ,#+*+-1+

" *10 * 94 -5+*$+ +*$0;+1+' . +-$" *+ :0 . 04 "4 04 4-* '+-$ + $0-$"* +*'"10#+* □ 0'$401 0-- 1+'$ 3"E 25+*$+* ,"#+ . (#+94+-$0 . □ +*'"10 V?

? +-* - ,# . 0# "(0 94 0 +*'"10 6 2+*$ -020(6 2 # / 2 ,+1 . + $:"2 2+ +-'0*$+#

"-3+ . -"$0# 94+ 0 2 #0 -4 /0 20* . 01# '410*('" . #+10/0 0"* ,+# "2"* 0-1+# "#+*(* '8,1 '0 . 4 $ -0$4#01 . +-$+ ,+1 0'$ 2+ $+#+ . *4#/ 2 "4$#"* +*$0;+1+' . +-$"*(94+ + . 2 3+#*"* ,"-$"* 20 '0, $01(-0 . 4 $ 2 *$0-$+* 2 -2 '02 +2 ' "(0$#0+ . 014 . -"*

  ?

  . +G0 20 2 #+'/0 25+*$0 *"' +202+ -" . +"4(+ . *+**0 2+ IA 2+ . 0 2+ ACDA(4 . 0 '" . . ** " +-'0##+/020 2+ 3 * $0# + +80 . -0# 0* +*'"10* 94+ 0 . /* . 0 *"' +202+ ;03 0 '#+02"(+ 2+ - "# . 0# 2 94+ + . #+*41$02 2+ *40* -3+*$ /0/"+* ,"2+**+ 0,4#0#

. A> 2+ 2+G+ . ;# 25+**+ 0-- 0,#+*+-1"4 0 '" . . **0 *+4 #+10$"# "(+ -5+11+ 2+4 '"-$0 2 +*$02 + . 94+ +-'"-$#"4 0* +*'"10* 5+**+ 2"'4 . +-$"(94+ $+ . "* 3 *$0(*+ -"* 2+,0#0 . -"$ ' 0* + '"-* 2+#0/"+* 94+ -"* "# +-$0 . *";#+ 0 4-20/0 20 *"' +202+(+ *";#+ 0 : *$"# 0 2 94+ 2+," * " "'"##+-2" '" . . **0"(2+,"$* 2+ 0G+# *+-$ # 0* '"-3+- +-' 0* 94+ $"#-0 . -2 *,+-*03+1 0 -*$#4'/0 2 ,"3"(+8,# . + *+ 0** #0<

K + 1"2 '"#0/0 . 0- +*$030 0 . ,"#$0-' 0 25+*10* 3+#20 2+* 114*$#+ 4-202"# 20 "' +202+ 2"* . /"* 20* +$$#0* + #1+*(*# 4 : 940-22 2 4-2 20 01 . 0 ,#+/030 '" . +8+ . ,1 + :4#00- $0# + . ,+-: 2+ ,#",0/0# 2"$+ 2+ -*$#4'/0"(2+ #+,0#$ # '" . 0 . 0 * 0 . "#03+1 ,+#* *$+-' 0 +*$+ ,0 2 +*, # $,+ 1"* ,+94+- -"*(940-2 :0 9401# 0--"* 2 *,4-:0 '" . $"2 +*3+1 +*$0 +'4-2 ** . 0 2+0 - -"** *"1" 10-$020 '" . $0-$ 0 . "#(-0 2+ 3 0 +* . "#+'+# + 2+," * 20* ,# . + #0* 1"#+*(0 3 . "* ,"# 3+G+* +* . " #+' 20 + 940* '+2+-2 0 . 04 94+;#0-$ 2+ 94+ $"20* 0* '" *0* ;"0*

1"' 3 '$ $-0 0"' ,# - ' , "(-0"' +#0' 0 *+ 30' 94+' $ +' #0,# . #0' "' ,# . + #"' '"' ,0#0' 0 2+ 80#' . "##+#' 0** . E' -0"' +#0' "' ;0 "' '#+02"#' 94+' :+' -*4 ' 1 #0' ' '0# - :"' ,0$+#-01('0,0G' 2+' 0' 0;0-2"-0#' +' :+' 2+*'0 0$-' 0* " ' : - :0* 0 -20' $+-#0*(+#0' ,0#0' *+' +#/4+#' '" .' +-+#/ 0' . 0 * . . "*0' '" . "' 0' *+-* $ 30(,0#0' *+' '";# #' 2+' -"30* 1"#+*(+' ,0#0' 20#' . 0 * *0G"02"* "* #"'$"*Z Z

+1"' 0130#2' 2+' 7' 2+' 0;# 1' 2+' AC>W' "#0 .' 0, ,#"302"* "* +*$0141"* 20' *"' +202+E' . 0* 0-$+* 2;+**+' 0- -"' F0' +110' $ - :0' 3 20(+' 2030' -+94 ' 3"'0* 2+ . "-*1#0'"+* 2+' +-$:4* 0*$ '"' +#3"#' -"' 2+*+ . ,+- :"' 20' *40' -"' ' ;#+' +' ' 3 1 *02"#0' . **0"

' ,#+*+-'+' 2+' -$"- "' +1 ' 0-"' 2+' 0*$ 1:"' 2+4' 0- . 0/0"' ' *"R ' +202+E' +' +' *4 . . 0 . +-$+' 0/#0203+1' "' *0;+# *+' 94+' -0"' 1 - :0 .' 0 -20' 2+'"## 2"' 2" * . +G+* 2+' +8 *$+-'10(940-2"' F>' +*$030 .' '"-*$ $4 2"* "* *+/4 -$+* '4#*"* /#0$4 $"*< 2+' 1+#(2+' 0# $: . +$ '0(2+' /+" . +$# 0(2+' :NR / +-+(2+' /+"/#0, : 0(,0#0' $"2"* "* 94+' 2+*+F0**+ .' -*$#4 # *+E' +' "* '4#*"* 2+' #0-'+G(-/1+G' +' 2+*+- :"(,0#0' "* *"' "*

. ' IW' 2+' -"3+ . ;#"' 2"' 0- -"' 2+' AC>C' '+1+;#"4' 0' *"' +202+' 0' *40' ,# . + #0' +*$0' "-* *$ 4' 0' +*$0 + . ' 4#-' *+#0"' , : 10# . "- '"(,0#0' "' 9401' "#0 . ' '"-3 2020* . 0 * 2+' 940$#"'+-$0* ,+**"0* 2+' 0 . ;"* "* *+8"*E' *+-2"' -5+11+' /#0-2+ . +-$+' 3 '$"# 02"' -$"- "' +1 ' 0-"' 2+' 0*$ 1:" B2+' ," * 3 *'"-2+' 2+' 0*$ 1:" (94+' +-$0"' #+* 2 0' -0' 1:0' 2+' ' /4+1 ' *+/4 -20' +*$0' 3+# '"4 *+' -"' 2 0' I' 2+' 2+G+ . ;#"' . . +2 0$+' " ' *"1+ . -+' 0' 0;+#$4#0' 20' *+**0"(0"' *" . ' 2"' .D ' ' ' 5 2 ' ,0#0' "' 9401' '" . ,"*+#0' 0' . 4* '0' 4 . ' F"3+-' -*410-"(' ' 2+' "' #0+* +#+ #0(+' 0' 1+1$#0' "' . +-' "-02"' 0*$ 1:"S

7 #@0' %1' #&* $, ' $%B) *0" ' #1' I +,0' #)60"0' + ' 0++ ' "#' 78E7' * 1' ' , ,%) 4' ' '

*ʼ +*1014$"*ʼ 20ʻ *"' +202+ʻ $0+*ʼ '" . "ʻ "*ʼ 0, ,#"3"4ʻ "ʻ /"3+#-"ʻ 01+ .ʼ 2+ʻ -0"ʻ *+#+$-ʼ :"F+ʼ . 4 $"ʻ '"-;+' 2"*ʻ +-'+##0 . 2 *,"* '"+*ʼ +ʼ '104*410*ʼ 2+ʻ * -/410# 40$4#+G0ʻ 94+ʻ .+#+'+ .ʼ+*,+' 01ʼ '"-* 2+#0 0"ʼ . ,+# + 1"ʻ *+ʼ # 0ʻ 4#-ʻ +8$#0'$"ʻ 94+ʻ 2ʻ+11+*ʼ G+**+ . "*ʻ +ʼ ,"# **"ʻ $+#0"*ʼ ,"# -2 *,+-Z *03+0ʻ #+/ *$01 "*ʼ $+81401 . +-1+ʻ -"ʻ -1- 1"ʻ 2+ʻ 94+ʻ "*ʼ 1+ 1"#+*ʼ *+ʼ -$+ #+ .ʼ 2"*ʼ -*ʼ 0ʻ 94+ʻ 0ʻ *"' +202+ʻ *+ʻ ,#",4-:0ʻ 2"*ʼ . + "*ʼ 9-+ʻ $+-' "-030ʻ + .ʼ ,#+/0# ,0#0ʻ 0ʻ #+01 *0/0"ʻ 2"*ʼ *+4*ʼ -1+-1"*ʻ +ʼ 2"ʻ . "2"ʻ ,"# 94+ʻ '"-*1ʼ 14 #0ʻ ʼ *+4ʻ . 0':-*."

8

#$ʼ >Sʻ ʼ *"' +202+ʻ 2+-". -020ʻ 2"*@ ʼ ʼ < ʼ ʼ ʼ 5 J '". ʼ 0ʻ *40ʻ *62+ʻ -0ʻ ' 202+ʻ 2+ʻ "-10ʻ +1/020ʼ $+#-ʻ ,"# .ʻ 341/0# *0# 0ʻ -*$#4''0"ʻ +ʻ ,#". "3+# 0ʻ -24*1# 0ʻ -0"ʻ ,+#2+-2"ʻ -4-'0ʻ 2+ʻ 3 *$0ʻ "ʻ . +1:"#0 .+-$"ʻ 20ʻ ."#01

#$ʼ I Sʻ ʼ *"' +202+ʻ +. ,#+/0#2ʻ $"2"*ʼ "*ʼ . + "*ʼ ,"** 3+ *ʼ ,0#0ʻ '"-ʼ *+/4 # +*$+ʻ .< -". +020#"+-$+ʻ +*'"10*ʼ -0"ʻ *"ʻ + .ʼ "-$0ʻ +1/020ʻ . 0*ʼ +.ʼ $"2"*ʼ "*ʼ ,"-$"*ʼ 20ʻ 1:0E ; ;1 "$:+'0ʻ . 4*+4ʻ $:+0$#"ʻ , : 10#."- '0ʻ +8,"* "+*ʻ ,#+. "*ʻ +ʻ ,4;1 '0/"+*ʼ 1 $$+#0# 0*

#$ʼ 7Sʻ 0"ʻ ,#": ; 20*ʼ $"20*ʼ 0*ʼ ,#","*$0*ʼ +ʻ 2 *'4**;+*ʼ *";#+ʻ ";ʼ F+'$"*ʼ ,"1 $ '"*ʼ +ʻ #+1 / "*"*

#$ʼ >Sʻ 0"ʻ $0. ;+.ʼ ,#": ; 20*ʼ $"20*ʼ 0*ʼ 2 *'4**;+*ʼ *";#+ʻ ,+* *"0*5

#$ʼ DSʻ ʼ *"' +202+ʻ -0"ʻ $+#-ʻ -4 . +#"ʻ)8"ʻ 2+ʻ . + . ;#"*E 02 . $$+ʻ $"20*ʼ 0*ʼ ,+**"0*ʼ '4F"ʻ '". ,"#$0 .+-$"ʻ . "#01ʻ -0"ʻ 0*ʼ $". +ʻ -2 /-0*ʼ 2+ʻ :+ʻ ,+#$+-'+#ʻ +ʻ *$"ʻ *+ .ʼ 2 *$ -'/0"ʻ 2+ʻ *+8"ʻ +202+ʻ '10**+ʻ -0' "-01 202+ʻ #+1 / 0"ʻ ", -0"ʻ #+* 2+-' 0E $42"ʻ -0ʻ '"- "#. 202+ʻ 2"*ʼ #+*,+'$ 3"*ʼ #+ʼ /410 .+-$"*ʼ 0, ,#"302"*ʼ ,+ "ʻ /"3+#-"

#$ʼ 6Sʻ ʼ 02 . **0"ʻ 2"*ʼ *"' "*ʼ *+#2ʻ + $0ʻ +.ʼ 0**+ .;1 0ʻ /'#01ʻ ,"# +*'#4$ - "ʻ *+'#+$"ʻ +ʻ ,+10ʻ ##00ʻ '"-* /-020ʻ -"ʻ #+/410 .+-$"

#$ʼ VSʻ ʼ*"' +202+ʻ '"-*$0ʻ 2+ʻ 2 +#+-1+*ʼ*+' "+* J *' +-$ '0ʻ +1 $$+ʼ #0# 0(J 20*ʼ 0#$+*ʼ 2"ʻ 2+*+-:" J , : 10#."- '0 J $:+0$#01 J .+':0- '0 Jʼ ,#"$+'$"#0

#$ʼ CSʻ ʼ *+')0"ʻ *' +-$ '0ʻ +ʻ 1 $$+#0# 0ʻ '". ,#+:+-2+ʻ "*ʼ ,#" +*ʼ *"#+*ʻ "4ʻ '41$"#+*ʼ 20*ʼ *' +-' 0*ʼ . 0$:+. 0$ '0*ʻ , : *F '0*ʻ F4# 2 '0*ʻ $:+"ʼ 1"/ '0*E +ʻ "*ʼ ,#" +**"#+*ʼ "4ʻ 941$"#+*ʼ 2+ʻ : *$"# 0ʻ , ; 1"*", : 0ʻ #0' "-01ʻ +ʻ ."#01ʻ +1"94+-' 0ʻ ,"+* 0ʻ 1 -/4 *$ '0ʻ 1+ $4#0ʻ +ʻ '011 /#0, : 0

#$ʼ WSʻ ʼ*+'/0"ʻ 20*ʼ 0#$+*ʼ 2"ʻ 2+*+-:" J '". ,#+:+-2+ʻ "*ʼ ,#" +**"ʼ +*ʼ "4ʻ '41$"#+*ʼ 2+ʻ $"20ʻ 0ʻ +*,+'1+ʻ 2+ʻ 2+*+-:"ʻ ,#",# 0. +-$+ʻ 2 $"ʻ 0ʻ , -$4ʼ 0ʻ +*'41,$4#0ʻ 0#':$+'$4#0ʻ /#034#0ʻ 1$:"/#0, : 0ʻ +ʻ $N,"/#0, : 0ʻ +ʻ 940+*ʼ 94+# "4$#0*ʼ*+ . +1:0-$+*ʼ 94+ʻ *+ʻ :0F0 .ʼ -3+-$02"ʻ "4ʻ ,"**0 .ʼ 3 # 0ʻ -3+-$0#

J ; E D .

#$ ˢ A? Sˢ ˢ *+''0ʷˢ , : 10# . "- '0ˢ '" . ,#+ : +# 2+ˢ 1"2"*ˢ "*ˢ ,#" +**"#+*ˢ
ˢ 7 ˢ H ˢ 7 ˢ H ˢ ˢ I ˢ +ˢ 7 ;

#$ ˢ Xˢ ˢ *+'/0ʷˢ $: +0$#01ˢ '" . ,#+ : +-2+ˢ "*ˢ ,#" +**"#+*ˢ "4ˢ '41$"R
#+*ˢ 20*ˢ 0#$+*ˢ *'+- '0*(ˢ ",+#0(ˢ 2#0 . 0(ˢ + . ˢ $"20*ˢ 0*ˢ *40*ˢ 30# +202+*(ˢ . ˢ
. '0ˢ +ˢ 20-"0

#$ ˢ AI Lˢ ˢ *+')0ʷˢ 20ˢ . +' : 0- '0(ˢ '" . ,"+ . *+ˢ 2+ˢ $"2"*ˢ "*ˢ ,#" +*R
*"#+*ˢ +ˢ '41$"#+*ˢ 2+ˢ 2 3+#*"*ˢ " ' "*ˢ +ˢ . *$+#+*

#$ ˢ A7 Lˢ ˢ *+''0ʷˢ ,#"$+'$"#0ˢ '" . ,"+ *+ˢ 2"*ˢ *"' "*ˢ 94+ˢ -0ʷˢ *+-2ʷˢ
";# /02"*ˢ 0ˢ +8+#'+#ˢ '0#/ʷˢ 01/4#0ˢ 20ˢ *"' +202+(ˢ +*$0ʷˢ $"203 0ˢ 2 * , "*$"*ˢ
0ˢ ,#"30# 1 : +ˢ 0ˢ *40ˢ *N . ,0$: 0ˢ ,#+*$0-2" 1 : +ˢ 048 1 "*ˢ 2+ˢ 940194+#ˢ "4$#0ˢ
-0$4#+G0

#$ ˢ A> Lˢ *ˢ *"' "*ˢ F2ˢ 02 . $$ 2"*(ˢ "4ˢ 94+ˢ 2+ˢ 4$4#+ˢ Bˢ "#+ . (ˢ 2+ˢ
'10#0#0ʷˢ + . ˢ 9401(ˢ "4ˢ 940+*ˢ 20*ˢ *+')"+*ˢ ,#+$+-2+ . ˢ *+#ˢ -*'# ,$"*

#$ ˢ AD Lˢ "2"*ˢ "*ˢ *"' "*ˢ *0ʷˢ +/40+*ˢ + . ˢ 2 #+ $"*(ˢ *0130ˢ 0ˢ 2 +ˢ
#+-/0ˢ ,#"3+- +-1+ˢ 2"*ˢ '0#/"*ˢ +ˢ 20*ˢ +202+*(ˢ + . ˢ '"- "# . 202+ˢ '" . ˢ "*ˢ
#+*,+'1 3"*ˢ #+/410 . +-$"*ˢ 0, ,#"302"*ˢ ,+1ʷˢ /"3+#-"

#$ ˢ A6 Lˢ *ˢ *"' "*ˢ $++ . ˢ 2 #+ $ʷˢ 0ˢ ,#" , "#(ˢ 2 *'41 #(ˢ +1+/+#ˢ +ˢ *+#+ . ˢ
+1+ $"*(ˢ +ˢ /"*0#+ . ˢ 2+ˢ $"2"*ˢ "*ˢ +*$0;+1+' . +-$"*ˢ +ˢ 30-$0$0/+"*ˢ 20ˢ *"' +R
202+(ˢ 142ʷˢ -0ˢ "# . 0ˢ 2"*ˢ #+/410 . +-$"*(ˢ 0, ,#"302"*ˢ ,+1ʷˢ /"3+#-"

#$ ˢ AV Lˢ *ˢ *"' "*ˢ $++ . ˢ ";# /0/0ʷˢ 2+ˢ '"-$# ;4 #ˢ . +-*01 . +-$+ˢ '" . ˢ
0ˢ 94"$ *0/0ʷˢ 2+ˢ AI?ˢ #+ *(ˢ 94+ˢ ,"2+#0ˢ *+#ˢ 01$+#020ˢ 940-2ʷˢ 0ˢ *"' +202+ˢ
ˢ 0' : 0#ˢ '"-3+- +-$+

#$ ˢ AC Lˢ +- : 4 . ˢ *"' "ˢ B+8'+,$ʷˢ "*ˢ 20‖*+'/0ʷˢ ,#"$+'$"#0ˢ , "2+ˢ #+ˢ
'4*0#ˢ ˢ '0#/ʷˢ ,0#0ˢ 94+ˢ "#ˢ -" . +02"(ˢ -+ . ˢ 2+ 80#ˢ 2+ˢ +8+#'+#ˢ 094+11+ˢ + . ˢ
94+ˢ +*1 3+#(ˢ *+ . ˢ . "$ 3+ˢ 0, ,#"302ʷˢ ,+10ˢ . 0 "# 0ˢ 20ˢ *"' +202+

#$ ˢ AW Lˢ ˢ #++1+ /0ʷˢ , "2+#2ˢ $+#1"/0#(ˢ . 0*ˢ "ˢ *"' "ˢ #++1+ $ʷˢ , "2+#ˢ
#+'4*0# *+ˢ 0ˢ 0''+ $0#ˢ "ˢ '0#/"ˢ

#$ ˢ I? Lˢ ˢ *"' +202+ˢ $+#-ˢ +-'0#/"*ˢ /+#0+*ˢ +ˢ +*,+' 0+*

#$ ˢ IA Lˢ *ˢ '0#/"*ˢ /+#0+*ˢ *0"< 0ˢ . +G0ˢ 2 #+'$"#0(ˢ '" . , "*$0ˢ 254 . ˢ
,#+* 2+-$+(ˢ 4#-ˢ 3 '+ ,#+* 2+-$+(ˢ 4 . ˢ 1 Lˢ + I Lˢ *+'#+$0# "(ˢ 2" *ˢ *4; *+'#+$0ˢ
"*(ˢ 4 . ˢ $: +*"4#+ #"(ˢ 4 . ˢ 3 '+ $: +*"4#+ #"(ˢ +ˢ 2" *ˢ 3"/0+*Eˢ $"2"*ˢ '" . ˢ 3"1ʷˢ
2+1 ;+#0$ 3ʷˢ +ˢ ʷˢ ,#+* 2+-$+ˢ '" . ˢ 3"$ʷˢ 2+ˢ 9"01 202+ˢ 03+#ˢ . 0 *ˢ 2" *ˢ 3"R
/0+*ˢ *4, ,1+-$+*ˢ ,0#0ˢ *+#3 #+ . ˢ -ʷˢ . ,+2 . +-$ʷˢ 2+ˢ 940194+#ˢ 2"*ˢ 3"/0+*
ˢ 4- '"ˢ ˢ *"' +202+(ˢ 940-2ʷˢ "ˢ F41/0#ˢ '"-3+- +-$+(ˢ , "2+#2ˢ 01$+#0#ˢ
ˢ -4 . +#ʷˢ 2+ˢ 3"/0+*ˢ 94+ˢ '" . , "+ . ˢ 0ˢ . +G0

#$ ˢ II Lˢ ˢ *"' +202+ˢ 1+#2ˢ 4 . ˢ ; ;1 "$: +'0# "(ˢ +ˢ 4 . ˢ '"-*+#302"#(ˢ
'" . ˢ 0*ˢ ";# /0/"+*ˢ . 0#'020*ˢ -"*ˢ #+*,+'$ 3"*ˢ #+/410 . +-$"*(ˢ 0, ,#"302"*ˢ
,+1ʷˢ /"3+#-"

#$ ˢ I7 Uˢ ˢ . +G0ˢ '" . ,+$+ˢ 0ˢ /+#+-' 0ˢ 2+ˢ $"2"*ˢ "*ˢ -+/"' "*ˢ 20ˢ *"R
' +202+(ˢ '"-3"'0#ˢ 0ˢ 0**+ . ;120ˢ /+#01ˢ 940-2ʷˢ "ˢ F41/0#ˢ -+'+**0# "(ˢ "4

:+' "#' #+94+# 2"' ,"#' ,#", "*$0' 4-20 . "-$020' +' 0** /-020' ,"#' *+1+' *"Z ' "*(20-2"' ,0#1+' 2' 04'1"# 202+' 02 . - *$#01 30

#$' I> U ' . +G0' 0,#+*+-10#>' >' *"' +202+(-"' 2 0' 20' -"30' +1+)0"(4#-' #+10$"# "' /+#01' 20' *40' /+#+-' 0(1" . 0-2"' ,"#' ;0*+' "*' #+101"# "*' +*' ,+' 0+*' 94+' '020' 4#00' 20*' *+'"+*' :+' 0,#+*+-10#

]' 4- '"' 5+*1+' . +* . "' 2 0' *+#2' 3"1020' ,+10' 0**+ . ;1+0' 0' 94"1 *0' 0"' - +-*01' 2"*' *"' "*

#$' ID S' ' . +G0' ,"2+#2' '"-3 20# ,0#0' 0*' #+4- "+*' 20' *"' +202+' 940194+# ,+**"0' #+'+ . ':+/020' 0' +*10' 1:0

#$' I6 S' ' . +G0' ,"2+#0' # *'0# 940194+# *"' "(94+' 3 "10# 0*' 1+ *' 20' *"' +202+("43 -2" "' ,#+3 0 . +-1+

]' 4- '"' ?' *"' "' # *'02"' ,62+' +30# #+'4#*"' ,"#' +*'# ,$"' 0' 0**+ . R ;1+0' /+#01(0' 9401' 25+*$+' $" . 0#2' '"-:+' . +-$"E +' ,0#0' 94+' :0F0' $+ . ,"' 2+' '"11 +# 0*' -+'+**0# 0*' - "# . 0';+*(*"' 3"$0#2' -0' *+/4 -1+' *+**0"E +' *+ . ,#+' *+ .' 2 *'4**0"(,"#' +*'#41 4 "' *+'#+$"

#$' IV S')40-2"' 0' . +G0' +-'"-$#0# 940194+# -'"-3+- +-$+' -0' ,#0' $ '0' 25+*$+*' +*$0$4$"*(,#"3F2+-' 0#2' ,#"3 *"# 0 . +-$"(20-2"' ,0#$+' 2' *"R ' +202+' -0' ,# . + #0' #+4- 0"

#$' IC S' "' ,#+* 2+-$+' '" . ,+$+(2 # / #"*' $#0;01:"*20' *"' +202+(+' + . ,#+/0# 1"2"*' "*' . + "*' 0"' *+4' 01'0-'+(,0#0' 94+' 0' "#2+ .' +' 0' 2+' '+-' 0' *+F0 .' '"-*+#3020*' -0*' #+4- "+*

#$' IW S' +1+ '0"' 20' . +G0' *+#2' + $0' -"' ,# . + #"' 2" . -/"' 2+' 2+' G+ . ;#"(+#0' +*'#41 - "' *+'#+$"E +' -5+*$+' . +* . "' 2 0(+' ,+10' . +* . 0' "#. 0(*+' +1+/+#2' 4#00' '" . . **0"' 2+' ' -'"' . + . ;#"*' ,0#0' #+3+# 0*' '" . 0*' 20' . +G0' 94+' -20

' 4- '"' "' ,# . + #"' 2+' 0-+ #"' *+/4 -$+' 0' . +G0' -"30 . +- +' +1+ $0' $" . 0#2' ,"**+

#$' 7? S' *' '0#/"*'+*,+' 0+*' 20' *"' +202+' *0"< 4 . 0' '" . . **0"' +#0' '020' 4 . 0' 20*' *+'"+*('" . ,"*$0' 2+' 4 .' 2 #+'$"#+' 2" *'3"/0+*(2"*' 940+*' 4 .' *+#31#2' 2+' *+'#+$0# "' 03+#2' . 0 *' 2" *' 3"/0+*' *- , ,1+-1+*' ,0#0' *+#' 3 #+ .' -"' . ,+2 . +-$"' 2+' 940194+# 2"*' 3"/0+*

#$' 7A S' " . ,+$+' 0' '020' 4 . 0' 20*' ', . . **"+*' 2 # / #"*' $#0;01:"*' 20' *+''0"(0' 94+' ,+# +-'+Z 0,#+*+-$0#' "*' ,#"F+'$"*' 94+' F41/0#' '"-3+- ' +-1+*' 0"*' *+4*' #0+1:"#0 . +-$"*(+' "# . 0#' 4 .' #+10$"# "' 0--401' 2+' *+4*' $#0R ;01:"*(' 9401' *+#2' ,#+*+-$+' 2' . +G0' 2+' 2 #+''0"' -"' 41$. "' 2+' -"3+ . ;#"

1 R' 7I S' 020' 4 . 0' 20*' '" . . **"+*' 0,#+*+-$0#2' 0' '"-$0' 20' *40' /+R #+-' 0' 2' . +G0' 2+' 2 #+'/0"' -"' ,# . + #"' 2+' 0-+ #"("' +*$0' +-3 0#0' 2' -"30' . +G0' 0$6' 0"' 2 0' A?' 0' *40' '"-$0' /+#01(0' 2 .' 2+' *+#' *4; . +$$ 20' 0"' +80 . +' 20' #+*,+'$ 32' '" . . **0"(94+' 20#2' "' *"4' ,0#+'+#' ,"#' +*'# ,$"' 01+' 0"' 2 0' AD

/' && ! ' *' % ' &' "' ' ' ! & ' ' 0 ' ' & '
' .&
#$' 77 S' '+1+)0"' ,0#0' 0*' '" . . **"+*' *+#D' + $0' + .' +*'#4$ - "' *+R
'#+$+' ,+10*' #+*,+'$ 30*' *++/"+*' -"' *+/4-2"' 2" . -/"' 2+' 2+G+ . ;#"
#$' 7> S' *' 4-2"*' 20' *"' +202+' *0"' ,#"3+- +-$+*' 20*' 94"1 *0/"+*'
. +-*0+*(' 2+' 2"-0$ 3+*(' 1+/02"*(' 1+ 1"+*(' 1"$+# 0*(' +' #+,#+*+-10/"+*' *'+'
- '0*(' "4' 9 0+*94+#' " #"*' +*,+'$0'41"*' +$-' *+0' ;+-+ ' "(' ,#+'+2+"2"'
0*' 1 '+-/0*' -+'+**0# 0*' -"*' $+# . "*' 20*' 1+ *' +' #+/410 . +-$"*' 2"' /"3+#-"
]' 4- '"' *' #+,#+*+-10/"+*' *'+- '0*(' +' "*' "4$#"*' +*,+'$0'41"*' /+ '
-+# '0 . +-1+' 2+* /-02"*' -5+*1+' 0#1 /"' *+#0"(' 2+,+-2+-1+*' 2+' 04'1"# *0/0"'
+*,+' 01' 2"' /"3+#-02"#' ' 3 1' 2"' 2 *$# '1"
#$' 77 S' "20*' 0*' 2+*,+*0*(' 2+' 940190+#' -0$4#+G0' 94+' *+F0#0(' *+1 0"'
3"1020*' ,+10' *"' +202+' -"' *+4' "#/0#0+-$"' 0--401(' "' 9401' *+#' 0,#+*+-'
$02"' ,+10' #0+G0' +' 2 *'4$ 2"' -"' ,# . + #"' 2" . -/"' 2+' 2+G+ . ;#"
#$' 76 ' +," *' 2+' + $0*' 0*' 2+*,+*0*' -+'+**0# 0*' ,0#0' 0' '"-*$#4' '
/0"' 2"' ,03 11 0"(' +' 2"*' "; F+'1"*' -2 *,+-*03+ *' 0' +*$+(' *+#0"' '0, $01 *0'
20*' +#0' '020' 0--"' $"20*' 0*' *";#0*' 2"' #+-2 . +-1"' 20' *"' +202+(' ,+10'
2# . 0' 94+' +*$0' 2+$+# . -0#
' 4- '"' *' 4-2"*' '0, $01 *02"*' -0"' ,"2+#0"' + .' $+ . ,"' 01/4#0' *+#
2 *$#0 2"*(' -+ .' . +* . "' ,"#' 2+1 ;+#0/0"' 20' 0**+ . ;1+0' /+#01
#$' 7V S' ' *"' +202+' $+#>' 4 . 0' #+4- 0"' "#2 -0# 0(' -"' ,# . + #"' 2"R
. -/"' 2+' '020' . +GE' +' #+ - "+*' +8$#0"#2 -0# 0*' $"20*' 0*' 3+G+*' 94+' 0'
. +G0' "' 0' : 0#' '"-3+- +-$+(' 2+3+-2"' 0*' 0'$0*' 20*' *40*' *++/"+*' *+#' ,4'
;1 '020*' ,+10' . ,#+-*0
#$' 7C S' ' ' ' ' ' ' ' +' . ."#$01'
'" . "' ' *+-1 #0+-$"' 20' , : 10-$#", 0' 94+' 0' ,#"24G 4' +' '" . 142"(' 0' *40'
20(' ,+1"' + +$"' 2+' 940+*94+#' ' #'4#0*$0-' 0*(' '+**0#' 2+' . 0- * +*$0# *+'
,"#' +*,0/"' 2+' 4 .' 0--"(' "' 4*" #4'$"' 2+' $"2"*' "*' *+4*' ;+-*' ,0**0#' ,0#0'
' :"*, $01' 2+' "-$0' +1/020(' 0$+' 94+' 0' *"' +202+' #+'4 ,+#+' + 2 '.2 6
#$' 7W S' -$+-2+ *+' 94+' 0' *"' +202+' #+'4 ,+#0' -"3"' 3 /"#1"/"' 94+'
D?' ,+**"0*(' . +* . "' 94+' -4-'0' $ 3+**+#0' * 2"' *"' 0*(' *+' ";# /F + .' 02# '
;01:0# ,0#0' "*' -* 94+' +110' *+' ,#", "+(' ,"2+-2"' 0' 0-$0' 0*0' #+:03+#' "*'
. +* . "*' 4-2"*' 940-2"' 094+11+*' -* -0"' "#+ .' '4 . ,# 2"*
@#$' >? S' .' 94019 +#' $+ . ,"' 94+P0' *"' +202+' *+' "#/0- *+(' ,"2+#D'
. . +2 0$0 . +-$+' +8 / #' 2"' :"*, $01' 2+*$0' ' 202+' $"2"*' "*' *+-*' 4-2"*(
,"#' * . ,1+*' #+94+# #0+-$"' *+#0' "4$#0' 01/4 . 0' "##001 202+' F42 ' 01(' '" .'
10-$"' 94+' *+' '"- "# . *' '" .' "*' +*$0$4$"*' 3 /+-$+*' 0"' $+ . ,"' 20' '+**0/0"
#$' >A S' ?' /"3+#-"' 2+' *40' . 0/+*$02+' $+#0' 0'4 202+' 2+' ,#"'+2+#'
,+1"*' *+-*' 0/+-$+*' 0"*' -+'+**0# "*' +80#0+*' -"*' 0'$"*' 20' *"' +202+(' ,0#0'
*+' 0**+/4#0# 2"' '4 . ,# . +-$"' 2"*' +*$0$4$"*(' +' ,0#0' :+*' 0G+# #+$ #0# 0

*40 0, ,#"30'0"(940-2 *+ $-"*$#0# 94+ 0* *40* 2 *, "* /"+* 2+ 80 . 2+ *+# ,"-$401 . +-$+ '4 . ,# 20*

] 4- '" * ,#+*+-1+* +*10$41"* 2+," * 2+ '"- # . 02"* ,+1 /" 3+#-" 2+ *40 . 0/+*$02+(+ " 2 ,1" . 0 20 *40 0, ,#"30/0"(*+#7 #+/ * $02"* ,+1 /"3+#-" ' 3 1 2+ "-$0 +1/020 J 0'" 20* +'+** 202+* +#0 $#+* 2+ 0;# 1 2+ . 1 " $"'+-$"* + 940#+- 0 + T) @# , *

?Z2+'#+1" 2+ I7 2+ "4$4;#" 2+ AC7A +G K "' +202+ 2"* . /"* 20* +$$#0* +#0 /4+1Q0 *+/4 -$+ '"-'+**0"<

#1 /" A J '"-'+2 20 " ' +202+ 2"* . /"* 20* +11#0*(-0 1:0 2+ /4+1(0 ,+94+-0 '+#'0 2" '"43+-$" 20 "-'+ /0" 20 ' 202+ 2+ "-$0 +1/020('" . 0 02F0'+-1+ 0#+0 + #4 -0* 20 +/#+F0 2+ "*6(,0#0 +2 '0/0" 2" *+4 *"10# 2+ 1+11#0* + 0#1+*

?' 2+'#+1" '" . -:0 . 0 * +*$+* 2" * 0#1 /"*<

#$ /" I SJ *#+ +# 20* ,#",# +202+*#+3+#1+#0" ,0#0 0 ,"**+ + 02 . - *1#0/0" 20 0G+-20 -0' "-01 '" . $"20* +940+*94+# ;+ . + 1"# 0*(+ *+ . 2 #+ 1" 0 -2+ . - *0/0" 01 4 . 0(940-2" 0 2 10 *"' +202+ *+ +8$ -/0

#1 /" 7 L J ?' /"3+#-" -2+ . - *0# " 4-2" +*,+' 01 2+ 0 . "#1 *0Z /0" 2" 301"# 1+/01 20* . +* . 0* ,#",# +202+*

. * *+**0" *"1+ . -+ 2+ A> 2+ 2+G+ . ;#" 25+*1+ . +* . " 0--" 2+ ACDA 2 G 0 " ,#+* 2+-1+ 20 *"' +202+<

$ " . " *0;+ *(* 2 $ - * * * * * + 1"20* 0* *+'/"+* . +-' "-020* -"* +*$014 $"*< 0 20* 0#1+* 2" 2+*+-:"((0 , : 10# . "- '0E 0 :+01#01E 0 . +' :0- '0E +$' (*6 *+ +*10;+1+'+- 0 , : 10# . "- '0(0 9401(,"# 0**+-$0# + . ; 0*+ ,"4 " *"1 20(-0" ,62+ '"-1 -40 5 0 4-'' "-0# J +8,+# +-' 0 $+ . '10#0#0+-$+ #0"*$#02" 94+ " -"**" ,+94+-" 2+*+-3"13 . +-$" -1+11+'1401 -0" '" . ,"#10 0 -20 $0-1"E 94+ 2+3+ . "* -*$#4 # -"*(,# . + #"E +(,# . + #" 94+ $42"(1+#E ,"#94+ 0 -*$#4'/0" 6 940* . ,"** 3+1 *+#0 94+ 0 1+ $4#0 ,0**+ ,0#0 0 "#2+#0 2" 2 0(+ *+F0 10#/0#0+-1+ ,#",0/020 Q

* *"' +202+ . 0-1 - :0 +-10" +*'"10*+#0 "-$0 +1/020(0-2+1 # 0(0 0(0/60(0-$" -$"- " + 0#G+0E ++] ,+#030Z*+ 0 0;+#14#0 2+ 240* . 0 *

" +*'# , " 94+ 0,"-$0 . "* -0 -"$0 0-$+'+2+-1+(,"2+ . "* 1+ $"#+* '4# "*"* 3+# 01/4 . 0* -"$ ' 0* 0 #+*,+ $" 20* +*'"10* 94+ 2+ 80 . "* "P 2 '020*

+10 '0#$% 2+ 1+ 2+ 7 2+ F41:" 2+ AC7> "#0 . ' '"- # . 020* 0* '"- ' '+**"+* + $0* 2* + * * * + * 6 2

' ' ' 5 ' ,+10' , "#$0# 0' 20' I I' 2+' 0;# 1' 2+' AC7A(' +' 2+'#+$"' 2+' I7' 2+' "414;#"' 2"' . .+* . "' 0- -"

' ' ' ' ' ' ' ' ' 5 ' "#0 . ' '"- ' '+2 2"*' "'1"'0[' +' #4 -0*20' +/#+F0' 2+' ' "*+(' -0' ' 202+2+' "-$0' +1/020E +' ;+#0' 0** . '"' +*, 0/"' '"-$ /4"' 94+' -+'+**0# "' "**+' ,0#0' 0' '"-*$#4' /0"' 2+' 4 . ' $:+0$#"(' *010*(' +' . 0 *' 0'" . . "20/"+*' ,#+' *0*' ,0#0' 4*"‖20' *"' +202+

' "' +202+' 2+' /# '41$4#0' ' :0+1+-*+' "' ' '"-'+2 20' 0' '+#'0' 2"' +81 -'$"' '"-3+-$"' 20' "-'+ /0"' 20' . +* . 0 ' 202+(' +' 0' ,0#$+' 20' '+#'0' 02 ' F0'+-1+(' -+'+**0# 0' ,0#0' "' +*$0;+1+' . + 1"' 22' 4 . ' F0#2 . ' 2+' ,#",0/0/0"' 2+' ,10-$0*' 4$+ *(' +' . 0 *' 4*"*' '"-3+4 +-$+*' 0"' . ' 2[094+110' -*1 $4 /0"

020' 4 . 0' 20*' ,#",# +202+*(' '"-'+2 20*' ,"# +*$0' 1+ (' #+3+#$+# 0' ' 0G+-20' -0' "-01[' '" . ' $"2"*' "*' . +1:"#0 . +-$"*' 94+' -[+110' $ 3+* *+ . ' * 2"' + $"*(' -"' '0*"' 2+' *+# 2+*3 020' 2"*' -*' ,0#0' 94+' " ' '"-'+2 20(' "-' -0' 2 **"14/0"' 20' *"' +202+' #+*,+'1 30

' 41$. 0' -"$ ' 0*' 94+' ,"2' . "*' 20# 0' #+*,+ $"' 2[+*$0' *"' +202+' *0"' 0*' *+/- -1+*E

AC67 J 'K ' *"' +202+' 2"*' . /"*' 20* +$$#0*' +' #$+*' + . ' ' /4+1' *4*$+-$0' -0' 0'$401 202+' 240*' +*'"10*(' *+-2"' 4 . 0' -0' ' 202+' 2+' "-$0' +1R /020(' +' "4$#0' -0' 110' 20' 0/;0< 0',# . + #0' 2' #+94+-$020' ,"# AC?' 014 . ' -"*E +' 0' *+/4-20' ,"# A?V

K ' *"' +202+' $+#-' C>' *"' '"*' '"-1# ;4 -$+*E +' 0' *40' #+'+ $0' "' '01'4 ' 1020' -"' "#/0 . +-$"' 2"' '"##+-1+' 0- -"' 2+' AC67' + .' AVW D071?' #+ *(' +' 0' 2+* ' ,+*0' + .' +/401' 940-$ 0

AC6>' &\E' ' J K 4 . +#"' 2"*' *"' '"*' '"-1# ;4 -$+*' W7(' - ' '14 -2"' IW' *+-:"#0*E #+'+ $0' + +$4020' -[094+11+' 0- -"' AV> DA1?#+ *E 2+* ' ,+*0' A>D<D>6D' #+ *' B#+ . 4-+#0/0"' 2"' ,#" +**"#' +' '"-1 -4"' 20' +*'"10' 20' *"' +202+(' 2"' '"-1 -4"' 20' 0/"0(' 14G+*(' +' $"$01' 0 . "#$ *0/0"' +' F4#"*' 2+' 4 . 0' ,+94+-0' 940-$ 0' 94+' 0' *"' +202+' 2+3 0

' K " . "' 0' #+'+ $0' +8'+2+4' 0' 2+*,+*0(' +' :0' ,#";0; 1 202+' 94+' 094+110' '#+*/0(' 2+*$ -"4 *+' 4 . 0' 3+#;0' ,0#0' 0'94 * /0"' 20' . ";1 0' +' -0/0 . +-$"' 2+' 14G+*(' ,0#0' 4 . 0' -"30' +*'"10' 94+' "' #+3' '0,+110"' 20*' +$+' 202+*(' "' *#' #0-' *'"' "*+' 0##+ #"(' *+' " +#+'+4' 0' #+/+# /#0$4 $0 . +-$+ H

AC6D J ' *"' +202+' 048 1 "4' $#+*' +*'"10*' ,# . 0# 0*' -"'$4#-0*' 2"' *+8"' . 0*'41 -"(' -0*' 940+*' "#0 . '02 . $$ 2"*' 014 . -"*' 2+' $"20*' 0*' +202+* 6' "' 0- -"' 2+' AC6>' " ' 0' +*'"10' #+94+-$020' #+/410# . +-$+' ,"# C?' 014 . -"*(' +' 0' 20' 0/60' ,"# IV'

' 1' ' * ' ' "#+*' * ' AC66' Z ' "# #0-' *'"' 0# 0' 4, '"' ,%$' +1 20' AC6D

J ;E: J

>ˢ ˢ ˢ ˢ 0 ˢ ˢ

J ˢ + ˢ "# ,00) &ˢ (1#+&ˢ , " &ˢ 010+,#&ˢ "# &%0ˢ $0, 0ˢ 0+,)(%.&# 0ˢ 0)6%+&ˢ "-#))#&ˢ '%# &# * 01ˢ "# 2# ˢ 0+,0&ˢ +04"*&ˢ 10&ˢ ") 6#+,#&ˢ "#2# ˢ &# ˢ 0ˢ B0&# "# %10ˢ , ˢ ˢ#1ˢ '%# $0 0$+B) *0ˢ 20+,06#1ˢ &#@%+.ˢ ,0&&#1ˢ #1ˢ * 11%% "0"#ˢ &0B# ˢ #&5 ˢ +ˢ ,0)#+, &ˢ $0 0ˢ +,#+,0.ˢ$" ˢ 0ˢ &* #+* 0ˢ (1B ˢ 0ˢ (1B ˢ * 1ˢ 0ˢ "-#&&0&ˢ +04"#&ˢ $ &ˢ (#&ˢ + ˢ $0 #* 0ˢ 0H; ˢ '%# #+) # #) 0&ˢ (+2#&&# ,0)ˢ " 55# #+50ˢ "#) 2#)

ˢ ˢ ˢ C 1ˢ ˢ

"ˢ 0--"ˢ 2+ˢ AC76ˢ "ˢ "# . 020ˢ + . ˢ *;"0ˢ 4 . 0ˢ 0**"' 0/0"('" . ˢ "ˢ $ $41"ˢ 2+<ˢ ˢ ˢ ˢ ˢ

?ˢ *+4ˢ . ˢ +#0ˢ ,#" . "3+#ˢ #+ "# . 0*ˢ +ˢ . +1:"#0 . +-1"*ˢ 1 $$+#0# "*('" . ˢ +*,+' 01 202+ˢ -"ˢ #+ -"ˢ 2+ˢ "#$4/01(J +ˢ . 0 "# . +-$+ˢ -0ˢ ,0#$+ˢ + . ˢ 94+ˢ , " ˢ 2+**+ . ˢ $+#ˢ . . +2 0$0ˢ 0, ,11'0'0"ˢ ,#0$ '0

2",$"4ˢ ,0#0ˢ 213 *0ˢ 4 . 0ˢ ,+--0(+*'#+3+-2"ˢ 0*ˢ ,0103#0* J * ˢ *

J (+ˢ +#0ˢ $"#-"ˢ 0ˢ 1+/+-20ˢ J ˢ ˢ ˢ ˢ ˢ

ˢ ,"1 $ '0ˢ *2ˢ '" . "ˢ *' +-' 0ˢ ,"2+# 0ˢ *+#ˢ $#0$020ˢ ,+10ˢ *"' +202+

ˢ *"' +202+ˢ + . ,#+/0# 0ˢ $"2"*ˢ "*ˢ . + "*(94+ˢ '"-24''-$+*ˢ "**+ . ˢ 0"ˢ) . ˢ 0ˢ 94+ˢ *+ˢ 2+*$ -030($0+*ˢ '" . "< #0 . '0'"+*(#+10 "+*ˢ 2#0ˢ 20ˢ '0R , $01ˢ +ˢ 2"ˢ #+ -"(2+;0$+*(,4;1 '0';+*(+ˢ '"##+*,"-2+-' 0ˢ '" . ˢ *0; "*ˢ +ˢ *"' +202+*ˢ ,"#$4/4+G0*ˢ "4ˢ +*$#0-/+ #0*

0*ˢ ,#"3 2+-' 0*ˢ 2+F-$+#+**+ˢ ,4;1 '"(J 2 # / # *+ : 0ˢ 0ˢ *"' +202+ˢ *ˢ '0 . 0#0*ˢ 1+/ *10$ 30*(0"ˢ ,"2+#ˢ +8+'4$ 3"("4ˢ 0ˢ 940+*94+#ˢ '"#,"#0';+*ˢ "4ˢ 04'$"# 202+*ˢ '" . ,+$+-$+*(#+94+#+-2" 1:+*ˢ 94+ˢ 0*ˢ $"#-0**+ . ˢ +$ +'1 30*

3 2 0 *+ˢ 0ˢ *"' +202+ˢ + . ‖-"3+ˢ '10**+*<

A ˢ Z ' +-' 0*ˢ . "#0+*ˢ +ˢ ,"1 $ '0*

I ˢ Z ' +-' 0*ˢ ,:N* '0*

7 ˢ Z ' +-' 0*ˢ . 0$:+ . 0$ '0*

> ˢ [ˢ ' +-' 0*ˢ . +2 '0*

D ˢ Z ' +-' 0*ˢ F4# 2 '0*

6 ˢ [ˢ ' +-' 0*ˢ . 1 $0#+*

V ˢ Z -*$#4''0"ˢ ,4;1 '0

C ˢ Z $$+#0$4#0

W ˢ [ˢ "0*ˢ 0#$+*

ˢ +$0$4$"*ˢ 20ˢ *"' +202+ˢ 2+$+# . -030 . ˢ 94+ˢ +* 0ˢ $$3+**+ˢ 4 . 0ˢ '0*0ˢ ,#",# 0ˢ ,0#0ˢ *+**"+*(1 3#0# 0(+ˢ 1+ $4#0ˢ 2"*ˢ F"=-0+*(+$'

J ; <L J

+/41030 . $42" " 94+ 2 G 0 #+*, + $" 1 2 #+' / "E 02 . **0"E +- '0# / "* + 2 #+ $"* 2"* *" ' "*E . +G0E *+**"+* / +#0+*< , 4 ; '0/ "+*

4$#"* . 2+$+# . -030#0 "* +*10$4$"* 94+ 0 *" ' +202+ $ 3+**+ 4#- F"# - 01 . + - *01(' " - *0 / #02" 0 " ; F+ '$"* 1 $$+#0# "*(' " . " $ 141" 2+ J 2

5+*1+ F"# - 01 *0 #0 . 0 14 . + 0 , + - 0* 4 - * ' - ' " - 4 . +#"*E *+ - 2" . 4 $" , 0#0 10*$. 0# 94+ $ 3+**+ $0" '4#$0 +8 *$+ - ' 0 4 . #+ , "* $"# "(- " 9401 "#0 . , 4 ; 1 '020* . + . "# 0* -$+#+**0 - 1+* + - "$ ' 0* 301 "*0* *" ; #+ 0**4 . , 1"* . 4 #+ ' " . . + - 203+ *

" . . 4 $0 #0G0" 2 G 0 . "* #+20 '$"#+*(- " 0#$ / " 20 (> K +*$+ . (+ , 0#0 1"# - 0# *40 $#0'0 + '0G(0 *" ' +202+ ' " - * 2+#0 - 2" - " 94+ , "2 0 2+ , #+*+ - $+ 0G+# 2+ . 2# , #"3+ $"(*+ #+*"13+4 0 , 4 ; '0# 1 . 0 " ; #0 , +# "2 '0(" - 2+ "**+#0 - *+#$0* . + . "# 0* 4$+ *(+ 94+ *+#3 **+ 2+ 3 0 2+ ' " . . 4 - '0/0" + - $#+ +110 + " , 4 ; 1 ' "E + 01+ . 25 **" 0 , #"$+ / +# , "# $"2"* "* . + "* , 4 ; 1 '0/ "+* ' " . 94+ *+ #+*$04#0#+ . 0* 2+ $"2" , " - $" 2+*01+ - $020* 1+$$#0*Z S

" . " +8 , 1 '0/0" : *$"# ' " 1 $$+#0# 0 2 #+ . "* " *+ / 4 -$+<

? 2+ '#+$" 2+ C 2+ - "3+ . ; #" 2+ AC7D '#+"4 " (2
* D

. I7 2" . +* . " . +G + 0 - - " . 0 - 2"4 " / "3+# - " #+4 - # " ' " - *+ : " 2" - *$ 4"(, 0#0 ") . 2+ *+# "#/0 - *02" + , "*$" + . . "3 . + - $" 094+11+ - "3" . 0 ' : - * . " 2+ + - * - " 20* *' + - ' 0* -0$4#0+* . I C 2" . +* . " . +G + 0 - - " #+4 - 4 *+ + +'$ 30 . + - $+ " ' " - *+1 : " 2" - *$ 4"E + 1" / " - 5+**0 " ' '0* 0" "#0 . "* , #" +**"#+* + - '0##+ / 02"* 2+ 0 , #+*+ - $0# "* *+4* #+* , + '$ 3"* , #" / #0 . . 0* -0 I(S *+**0"(94+ 2+3+# 0 #+01 *0# *+ " $" 2 0* 2+ , " *

, #9F++$020 I S *+**0" , "#+ . (-0" ' : + / "4 0 *+# '+1+ ; #020

) 401#" 2 0* 2+ , " * 20 , # . + #0 #+4 - 0"(B , +1" F2+ '#+1" 2+ I 2+ 2+ G+ . ; #" 2+ AC7D . 0 - 2"4 " / "3+# - "* *, +b2+# (3 - 2" 0** . 0 *4 ' '+2+# 94+ -0" 24#"4 . 0 * 2" 94" - "3+ 2 0* (

" / " 2+ , " * 20 , 4 ; 1 '0/0" 2" 2+ '#+$" 2+ I 2+ 2+G+ . ; #" "* 1+ - 1+* 2" - *$ 4"(0"* 940+* *+ #+4 - #0 . 940* $"2"* "* 20 *' "10 +2 ' " #4# / '0 2+ * ; "0(#+ , #+*+ - 10#0 . 0" / "3+# - "(, +2 - 2" 94+ 094+11+ 2+R '#+$" *+ -0" +*$+ - 2+**+ 0"* +*$0 ; +1+ ' . + - $"* 41$. 0 . + - $+ '#+02"* + . * ; "0(- + . 0 - *$#4 ' / 0" , # . 0# 0

#@0 +%1 7 0B)."# 78 ; <

B #+* + , 0 0 &)# , #& & #&)0 , % , & "0 & * # "0 "# $%B) *0 " & +0 &%0 + .
, #6 04

3ˢ# ˢ 3

ˢ . + . "*ˢ ,#" '**"#+*ˢ '0#0#0ˢ 2+*2+ˢ +-$0"ˢ #+4- 2"*ˢ + . ˢ 4 . 0ˢ 0* ˢ *"' 0) 0"(94+ˢ 2+-" . -0#0#0 J ˢ H ˢ ˢ "ˢ #0ˢ 20ˢ ,#" . "3+#+ . ˢ 0*ˢ #+ "# . 0*ˢ 1 $$+#0# 0*(J +ˢ '" . ˢ 0ˢ '""2) 0"ˢ 2+ˢ *+#+ . ˢ 02ˢ . $1 2"*ˢ 0ˢ *"' "*ˢ $"2"*ˢ "*ˢ 0 . /"*ˢ 20ˢ -*1#4''0"ˢ ,4;1 '0("**+ . ˢ 940+*ˢ "**+ . ˢ 0*ˢ *40*ˢ ", - "+*ˢ ,"1 $ '0*

01ˢ +ˢ 0ˢ "# /+ . ˢ 20ˢ *"' +202+(2+ˢ 94+ˢ #0$0 . "*ˢ -5+*1+ˢ '0, $41"

+F0 J (ˢ ˢ ˢ 5 ˢ$" . "ˢ ˢ ,0/ˢ 77Dˢ 0ˢ 7>6

ˢ ˢ ˢ ˢ ˢ ˢ ' : +/"4ˢ 0ˢ #+,#+*+ 10#ˢ '"-$#0ˢ 0ˢ *4*,+-*0"ˢ 2"ˢ -*1 4"ˢ 2+'#+1020ˢ + . ˢ I ˢ 2+ˢ 2+G+ . ;#"ˢ 2+ˢ AC7Dˢ

0#0'$+# *030ˢ 0ˢ *4*,+-*0"ˢ 2+ˢ ˢ ˢ >

ˢ ,"#ˢ 940-$"ˢ "*ˢ +*10;+1+' . +-1"*ˢ 2+ˢ +-* -"ˢ *4,+# "#ˢ 20ˢ '0, $01ˢ +#0 . ˢ ,+10ˢ 1+ˢ *4*,+-*0(#+4- 2"*ˢ + . ˢ 4#-ˢ *"ˢ '0#/"(+ˢ '" . ,1+ˢ $029*ˢ '" . ˢ 0*ˢ '02+ #0*ˢ -+'+**0# 0*(,0#0ˢ ,"2+#+ . ˢ " +#+'+#ˢ 0ˢ -0'0"ˢ *0ˢ ; "*ˢ +-/+-:+ #"*ˢ ' 3 *ˢ +ˢ . 1 10#+*(02 . - *$#02"#+*(+ˢ "11 ' 0+*ˢ 2+ˢ . 0# ˢ -:0< #+*41102"*ˢ +*$+*(94+ˢ -0"ˢ ,"2 0 . ˢ ";$+# *+ˢ 20ˢ "# . 0ˢ +ˢ '"-*$ $4 /0"ˢ 20*ˢ +*'"10*ˢ 20ˢ '0, $01(*+,0!020*(2+*'"--+80*(-'" . ,1+10*

(ˢ ,"#94+ˢ *+-2"ˢ 0ˢ * ˢ 4 . ˢ 0'$"ˢ 1+/ *101 3"(*"ˢ + . ˢ 3 #$42+ˢ 2"ˢ 3"$"ˢ 2+ˢ '"-;0-'0ˢ ,"2+# 0ˢ *+#ˢ ,#" . 41/02"ˢ ?ˢ /"3+#-"ˢ ;#0ˢ 04'$"# *02"ˢ ,0#0ˢ #+ "# . 0#ˢ "ˢ +-* -"Eˢ #+ "# . "4ˢ "ˢ +-* -"(+ˢ 01ˢ $+# . -"4ˢ 0ˢ *40ˢ . **0"

4$#0*ˢ #0G"+*ˢ ,"1 $ '0*ˢ +ˢ *' +-$ '0*ˢ ,"2+# 0ˢ 0ˢ *"' +202+('" . "ˢ +110ˢ 2+'10#030(0G'#ˢ 301+#Eˢ +ˢ '"-'14 0ˢ ,+2 -2"ˢ 94+ˢ "ˢ /"3+#-"ˢ . 0-20**+ˢ *4*,+-R 2+#ˢ . . +2 0$0 . +-$+ˢ "*ˢ ˢ ˢ * ˢ ˢ ˢ Aˢ

ˢ #+*$0;+1+'+-2"ˢ "ˢ -*$ 14$"ˢ 20*ˢ ' +-' 0*ˢ 0$:+ . 0$;0*ˢ +ˢ :N* '0*

?ˢ /"3+#-"(+ . ˢ ,"#10# 0ˢ 2+ˢ IAˢ 2+ˢ . 0 "ˢ 2+ˢ AC76ˢ B0** /-020ˢ ,+1"ˢ . ˢ - *$#"ˢ 2"ˢ #+ -"(/"*$ -:"ˢ "*6ˢ #+ #+ (#+*,"-2+4ˢ 94+ˢ 0ˢ ,#+$+-/0"ˢ 20ˢ *"' +202+ˢ -0"ˢ ,"2 0ˢ *+#ˢ 2+ +# 20(,"#ˢ 3+#*0#ˢ *";#+ˢ 0**4 . ,1"ˢ 2+,+-2+-$+ˢ 2"ˢ ,"2+#ˢ 1+/ *101 3"Eˢ . 0*ˢ 94+ˢ -0ˢ ,#"8 . 0ˢ *+**0"ˢ +8$#0"#2 -0# 0ˢ "ˢ /"R 3+#-"('"11 / -2"ˢ 0** . ˢ 2"ˢ -*$ 14$"('" . "ˢ 2"*ˢ ,#"F+'$"*ˢ 0$+ˢ +-$0"ˢ "1 +ˢ #+' 2"*ˢ "ˢ 94+ˢ ,0#+'+**+ˢ ,#+ +# 3+1(,#" ,"# 0ˢ 0*ˢ '"#1+*('" . "ˢ 4#/+-$+(4 . ˢ , 0-"ˢ 94+ˢ *0$ * G+**+ˢ 0*ˢ -+'+** 202+*ˢ 20ˢ -*$#4'/0"ˢ ,4;1 '0(+ˢ "*ˢ 3"$"*ˢ 2"*ˢ 0 . /"*ˢ 20* 1+$$#0*ˢ *";#+ˢ $0"ˢ . ,"#10-$+ˢ 0**4 . ,1"

"ˢ $"'0-$+ˢ 2*ˢ -"1 ' 0*ˢ 94+ˢ 20 . "*ˢ -5+*$+ˢ '0, $41"ˢ +ˢ '"-3+- +-$+ˢ 1+#ˢ 94+ˢ -"ˢ ,#+*+-$+ˢ $" . "ˢ 2 **+ . "*ˢ 0ˢ #+*,+ $"ˢ 2"ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ,0/ˢ A?ˢ +ˢ AA

J ˢ; < N .

ˢ : 0

+F0ˢ ˢ 94+ˢ 0ˢ #+*, + $"ˢ 25+*$0ˢ *"' +202+ˢ 2 **+ . "*ˢ 940-2"(ˢ 0ˢ 0/ˢ IC ˢ +ˢ IWˢ 2"ˢ ,#+*+-1+ˢ $" . "(ˢ . +-' "-0 . "*ˢ "ˢ F"#-01 J ?ˢ

ˢ : /

*$0ˢ *"' +202+ˢ "ˢ -*$ $4 20ˢ +$-ˢ A>ˢ 2+ˢ 0;# 1ˢ 2+ˢ AC7W(ˢ ,+1"*ˢ +*14 ˢ 20-$+*ˢ 20*ˢ +*'"10*ˢ *4, +# "#+*ˢ 2+ˢ *;"0ˢ .ˢ AC>Aˢ #+ "# . "0ˢ +ˢ . ,# ˢ . 4ˢ "*ˢ *+-*ˢ +*014"*(ˢ 0** /-02"*ˢ ,"#ˢ 1 . + 20ˢ 0##+$$(ˢ ,#+* 2+-$+ˢ :"-"ˢ #0# "Eˢ +-2+*ˢ +01(ˢ ,#+* 2+-$+ˢ +1 +'$ 3"Eˢ ˢ 4/4*$"ˢ 20ˢ 130(ˢ +ˢ ˢ ˢ 20ˢ 4-:0ˢ 01/02"(ˢ *+'#+$0# +*

K?ˢ *+0ˢ .ˢ B2 Gˢ "ˢ 0#$ˢ I Lˢ 2"*ˢ +*$0$4$"*ˢ +ˢ ,#" . "3+#ˢ ,"#ˢ $"2"*ˢ "*ˢ . + "*ˢ 94+ˢ 0"ˢ *+4ˢ 01'0-'++*$ 3+#+ . (ˢ 0ˢ 0'94 * /0"ˢ 2+ˢ '"-:+' . +-$"*ˢ *"ˢ ;#+ˢ *' +-' 0*ˢ +ˢ 1 $$+#0$4#0(ˢ +8' $0-2"ˢ -"*ˢ *"' "*ˢ 0ˢ +#0410/0"ˢ +ˢ G+1"ˢ ,+1"ˢ +*$02"

K *ˢ . + "*ˢ 94+ˢ + . ,#+/0ˢ *0"< ASˢ +*$0;+1+'+#ˢ 4 . 0ˢ ; ;1 "$:+'0ˢ +ˢ 4 . ˢ /0; -+$+ˢ 2+ˢ : *$"# 0ˢ -0$4#01Eˢ I Sˢ 2 *'4**"+*ˢ "#0+*Eˢ 7 Sˢ ,4;1 '0/0"ˢ 2+ˢ 4 . ˢ F"#-01ˢ 02+9402"ˢ 0"*ˢ -*ˢ 20ˢ *"' +202+< >Sˢ $42"ˢ "ˢ . 0 *ˢ 94+ˢ ,"**0ˢ '"-ˢ '"##+#ˢ ,0#0ˢ 0ˢ -*1#4'/0" H

"ˢ *+4ˢ F"#-01ˢ 2+4ˢ 0ˢ "' +202+ˢ : 1" . 0$ '0ˢ "ˢ $ 141"ˢ 2+ˢ : ˢ

ˢ +ˢ -5+11+ˢ *+ˢ +*$#+ "4ˢ '" . "ˢ +*+# ,$"#ˢ 4 Gˢ 4/4*$"ˢ +;+11"ˢ 20ˢ 130(ˢ ,4;1 '0-2"ˢ 0ˢ K " . 020ˢ 2+ˢ +4$0Q(ˢ 94+ˢ 2+," *ˢ #+$"'"4ˢ +ˢ 0 . ,1 "4

0 . ;+ . ˢ 01ˢ '" . +/"4ˢ 0ˢ . 0- +*$0#ˢ "*ˢ #0# ** . "*ˢ 2"$+*ˢ "#0$"# "*(ˢ 94+ˢ :+ˢ /#0-/+0#0 . ˢ $0-$0ˢ -" . +020ˢ -"ˢ ,0#10 . +-$"ˢ +ˢ -"ˢ . 0/ *$+# "

"#0 . ˢ *"' "*ˢ :"-,#0# "*ˢ 25"*$0ˢ 0**"' 0/0"ˢ 2+ˢ +*'"10#+* J 13+*$#+ˢ -;+ #"(ˢ ˢ +#'410""(ˢ 1 . + 20ˢ 0##+$$ˢ +ˢ ˢ ˢ 2"ˢ 0*$ 1:"(ˢ 94+ˢ #+ˢ 94+-$+ . +-$+ˢ 0** *$ 0 . ˢ 0*ˢ *+**"+*ˢ ** #0ˢ +*$. 41030 . ˢ 0ˢ F43+-$42+ˢ +*ˢ 142 "*0(ˢ "*ˢ /#0-2+*ˢ . +*$#+*ˢ 20ˢ -"**0ˢ 1 $$+#0$4#0(ˢ :0ˢ :"F+ˢ 940 +-10ˢ 0-ˢ -"*0

4 $"*ˢ 2"*ˢ 94+ˢ *+ˢ 2 *$ -/4 #0 . ˢ -"*ˢ '+#$0 . +*ˢ 20ˢ : 1" . 0$ '0(ˢ *4Zˢ ; #0 . ˢ 0"*ˢ . 0 *ˢ 01$"*ˢ '0#/"*ˢ 2"ˢ +*$02"ˢ +ˢ 2"ˢ ,#+ +**"#02"(ˢ +ˢ " $"ˢ *0"ˢ 0'ˢ $401 . +-$+ˢ *"' "*ˢ 20ˢ '02+ . 0(ˢ "*ˢ *#*ˢ 0$ -"ˢ "+1:"(ˢ +-2+*ˢ +01(Mˢ -R 2#02+ˢ "#3"(ˢ :" . 0Gˢ 2+ˢ 0#301:"(ˢ 0/01:0+*ˢ "4$ -:"(ˢ 130ˢ 41 "(ˢ ˢ ˢ 01 . + # . (ˢ +ˢ ˢ 0#$ -*ˢ 25 -$0*(ˢ -"**"ˢ #" - *1#"ˢ -0ˢ -/10$+##0

"#ˢ "''0* 0"ˢ 20ˢ /4+##0ˢ ' 3 1ˢ 2+ˢ AC>6(ˢ "*ˢ *"' "*ˢ 2+ˢ '"-$. 4 . ˢ 0 ˢ '"#2"(ˢ 2 **"13+#0 . ˢ 0ˢ *"' +202+ˢ +ˢ #+,0#$ #0 . ˢ +-$#+ˢ]ˢ 0ˢ 1 3#0# 0ˢ +ˢ "ˢ . 4ˢ *+4ˢ 20ˢ ; *$"# 0ˢ -0$4#01(ˢ '" . "ˢ 2 *,4-:0ˢ "ˢ 0#$ˢ >? Sˢ 2"*ˢ *+4*ˢ +*$014$"*

3 # # 3

ˢ % ˢ < ˢ ˢ 0- -4- ' 030ˢ -"ˢ *+4ˢ -4 . ˢ Aˢ ,0/ ˢ W<

K 1/4-*ˢ . 0- '+;"*Z$01+-1"*"*ˢ*+ˢ 0**"' 0#0 . ˢ ,0#0ˢ 2 *'4$ #ˢ 0**4 . ,$"*ˢ 1 $$+#0# "*ˢ +ˢ *' +-1 '"*Eˢ +ˢ -5094+11+ˢ . +* . "ˢ 0- -"ˢ 2" *ˢ 25+11+*(;+ #"ˢ 2+ˢ 0(+ˢ +;+11"ˢ 20ˢ 130(0;# #0 . ˢ '4#*"*ˢ /#014 1"*ˢ -0ˢ '0*0ˢ 20ˢ ,#" ,# 0ˢ *"' +202+ˢ ?ˢ ,# . + #"ˢ *"' "(+*1420-$+ˢ 2 *$ -'1"ˢ +ˢ ,#+#0 02"ˢ 20ˢ *'"10ˢ "1N$+'; - '0(0;# 4ˢ . -ˢ '4#*"ˢ 2+ˢ * D ˢ **< ˢ ˢ ˢ ˢ *+/4-2"ˢ +*1420-$+ˢ +-$0"ˢ + . ˢ " . ;#0(,#" ,"G *+ˢ 0 +-* -0#ˢ 0ˢ ˢ +

1 ' 1 . +-$+ˢ ,"2+#ˢ :"F+ˢ "# . 0# *+ˢ F- G"ˢ 20ˢ *0$ * 0/ "ˢ '" . ˢ 94"ˢ +#0 . ˢ #+'+; 20*ˢ 940+*94+#ˢ . 0- +*$0+"+*ˢ +*,+#0-) *0*ˢ 2+ˢ -$+#+**+ˢ ,+10ˢ -*1#4''0"ˢ ,4;1 '0

?ˢ . 4 1"1114*$#+ˢ ,4;1 ' *$0ˢ 13+*$#+ˢ -:+ #"ˢ +##+ #0ˢ *"11 ' $"4ˢ +ˢ ";$+3+ˢ 2"ˢ /"3+#-"(+ . ˢ AC>7(0ˢ '+2+-' 0ˢ 2+ˢ 4#00ˢ +8'+11+-$+ˢ *010ˢ -"ˢ +2 ˢ ' "ˢ ,4;1 '"ˢ 2"ˢ +##+ #"ˢ 2"ˢ 0'"(+-$#+ˢ 0*ˢ #40*ˢ 4/4*$0ˢ +ˢ 20ˢ #0 0(,0#0ˢ 0ˢ "' +202+ˢ *'"10*$ '" : 1" . 01 '0ˢ '+1+;#0#ˢ 01ˢ 0*ˢ *40*ˢ '"- +#+- ˢ ' 0*Eˢ -"ˢ 94+ˢ +110ˢ . 4 $"ˢ 14'#"4(,"#94+(*+-2"ˢ 094+11+ˢ 1"'01ˢ . 4 $"ˢ ,#" ˢ ,# "ˢ ,0#0ˢ 03"#+'+#ˢ 0ˢ 0214+-' 0ˢ 2+ˢ *"' "*ˢ +ˢ 2+ˢ "43 -$+*($"#-030 *+ˢ . 4 $"ˢ . 0 *ˢ ," ,410#ˢ +ˢ ,#"3+ $"*"ˢ +*$+ˢ -*$ 141"ˢ ' 3 1 *02"#

*$030ˢ ,"#ˢ +**+ˢ $+ . ,"ˢ + . ˢ 2 *'4**0"(0- . 020ˢ +ˢ '01"#"*0(0ˢ 94+* ˢ $0"ˢ 2"ˢ 24+11"

" . ˢ 940-$"ˢ '" . ,"*$0ˢ 2+ˢ . 0-'+;"*ˢ -0ˢ ,# . + #0ˢ . "' 202+(-"*ˢ 940+*ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ :"43+ˢ '"-*$0-' 0ˢ +ˢ '"#24#0(2+ˢ *"#$+ˢ 94+ˢ "ˢ 0ˢ 0**"' 0'0"ˢ '#+*'+-2"ˢ + . ˢ -4 . +#"ˢ 2+ˢ *"R ' "*(+ˢ F4*$ '0-2"ˢ "*ˢ 0, ,104*"*ˢ +ˢ 0- . 0'"+*(94+ˢ -4 . +#"*"*ˢ "43 -$+*ˢ +ˢ 0ˢ . ,#+-*0ˢ ,+# "2 '0(#+,+$ 20*ˢ 3+G+*ˢ 2030ˢ 0"*ˢ +*,+#0-/"*"*ˢ 0**"' 0ˢ 2"*

K . 0ˢ 2 *'#+$0ˢ #0420-'0ˢ #+'+ . -$#"24G 20ˢ -"*ˢ +*$0$4$"*(:+ˢ 22ˢ :"F+ˢ -"3"*ˢ 0;"-"*ˢ 2+ˢ ,+#* *$+-' 0ˢ +ˢ 1"#+' . +-1"ˢ . 0ˢ *+**0"ˢ 2+ˢ '020ˢ . +Gˢ 6ˢ 2+*$ -020ˢ 0ˢ 1+ $4#0ˢ "4ˢ #+' $0/0"ˢ 2+ˢ ";#0*ˢ +*'# ,$0*($0-$"ˢ + . ˢ 3+#*"ˢ '" . "ˢ + . ˢ ,#"*0Eˢ ,+1"ˢ 94+(*+ . ˢ 2+ 80#ˢ 2"ˢ *+#ˢ 4 . 0ˢ 0#+-0ˢ 2+ˢ 1 #"' - "ˢ ,0#10 . +-$0#ˢ +ˢ "#0$"# "(94+ˢ "ˢ 0ˢ ,# . + #0ˢ 2+0ˢ 2+ˢ *40ˢ 4-20/0"(/0- :"4($#0-* "# . 0-2" *+ˢ + . ˢ 0 02+ . 0("ˢ 94+ˢ 94+#ˢ /4+ˢ *+F0ˢ 2+ˢ . 0 *ˢ 1 1$+#0# "(2+ˢ . 0 *ˢ 8"(2+ˢ . +-4*ˢ "#14 $"ˢ +ˢ 3"10$ 1Z Z

Aˢ% ˢ ' $020(-4 . ˢ 6ˢ 2+ˢ AC>C

' 2 ' '

+1"' 2+'#+$"' 2+' 7' 2+' ""3+ . ;#"' 2+' AC77' 0, ,#"3"4' "' /"3+#-"' "'
$ ' ' ' * ' ' ' ' ' ' * ' '
' '

" ' ' '0*"(94+' 01/4 . 0* ,+**"0* 2+' '"-* 2+#0/0"' *+' '"-'+#10#0#0'
+-$#+' * ' ,0#0' '"-*$ $4 # 4 . 0' *"' +202+' '" . ' 0' 2+-" . -0/0"' 2+' 4 ' '
' +' -5+*$+' *+-$ 2"' #+9"+#+#0 . ' 0"' /"3+#-"' ' 0, ,#"30/0"' 2+' ;0R
+ ,0#0' 0' + $4#0' 2+' +*10$4$"*
+/4-2"' 0* ' +#0 . ' "* -* 20' *"' +202+< ,#" . "3+#+' " . +-'
$0#< [' "' ,#"/#+**"' +' . +1:"#0 . +-1"' 20' :"#1 '4114#0(,#", # 0 . +-$+' 2 $0(
+' 2"' 0 . 0-:"' +' '41 30/0"' 2"* ," . 0#+*(+' 2"* F0#2 -* 2+' #+'#+ "E I U 0
-$#"24'/0"' +' '41 30/0"' 2+' -"30* ,10-$0* :"#$+-*+*(2+' -"30* 1"#+*(
2+' -"30* "4' . +1;"#020* #4'10*(+' /+#01 . +-$+' 2+' $"20' 0' 9-01 202+' 2+'
3+/+$0+* 4$+ *("4' 2+' "#-01"(*4*'+,1 3+ * 2+' '41$4#0' "#2 -0# 0' +' ,#" '
3+ $"*0' -"' -"**"' '1 . 0E 7 L' . ,"#$0/0"' +' 0, ,1 '0/0"' 41 1' 2+' -"3"* - '
$#4 . +-$"(+' -"30* ,#01 '0* 2+' 0/# '4114#0
* 0**"' 02"* +*$030 . ' 2 *, "*1"* 0' . 0#':0#(-"' 2+*+ . ,+-:"' 2+'
*40' . **0"('" . ' $"20' 0' ,#42+-' 0' +' ' #'4 . *,+'/0"('"-*41$0-2"' :" '
. +-* 3+#202+ #0 . +-$+' -*1#4 2"* +' +8, +# +-$+* -5+*10' +*, +' 01 202+(
K0' . ' 2+' +3 $0#+ . ' B2 G 0 . ' +11+*' "* /#03+* 20 . -"* ,#"3+- +-$+* 2+' - '
$ /0/"+ -*+-*0$0* 2+' G+102"#+* # 3"1"* +' /-"#0-$+*(94+' 1+30# 0 . ' 0'
'41$4#0* . ,"** 3+ * +' 0' +8, +# +-' 0* +*$#030/0-$+*(*4 . . 0 . +-$+' ,#+'
F-2 ' 0+* 0"* -1+#+**+* #+0+*(+' 0"' 3+#202+ #"' ,#"/#+**"' 20' 0/# '4114#0'
-0' "-01
. $030 . *+(-"' '" . +/"' 2+' *+4* $#0;01:"*(0' + . ,#+/0# "' . + "'
20* -* ' +' 0' 2 *1# ;4 # ,#+ . "* 0"* +8, "* 1"#+* #00 * ;+-+#0+# '
$"* 2+' ,10-$0*(1"#+*(#4'10*(:"#$01 /0*(2+' 3+/+$0+* 4$, * "4' 0, #0G '
3+ *(2+' -*1#4 . +-$"* -"3"* "4' 0, +# + /"02"* 2+' 103"4#0' "4' F0#2 -0 '
/+ .
";3 "' 94+' ,"# "'' 0* 0"' 20* +8, "* /"+* +*, 01:0# 0' 0' *"' +202+'
+*'# ,$"* -*1#4'$ 3"*(94+' . 4 $"' ,#"3+ $"*"* :03 #0' 2+' *+# ,0#0' $"2"'
' ,0 G

+ . "* 4 . 0' #0, 20' -"$ ' 0' 20* ' +' 0/"#0' -"* '4#0, #+' +8, "# '
94+' . 0 * $0#2+' *+' +80#"4' -"* ' ,# -' ,01 . +-$+' -"' 1"'0-$+' 0"*
. + "* 94+' :03 0 . ' 2+' *+# + . ,#+/02"* ,0#0' 2 1442 # 0' -*1#4'/0"' P

' +$0$4$"*' 20' . +* . 0' *"' +202+' "#0 . ' 0, ,#"302"*' , '1"' 2+2#+$"' 2' ' AI' 2+' F4 - ;"' 2+' ACD>

4 ' ', ' ' * * ' ' >' #" . "3+#' "' . +1:"#0 . +-1"' 20' :"#1 '4114#0(' +' "' 20*' 0#3"#+*' #"'$ +#0*(' +' ,10-$0*' 2+"#-0$"(' 0** .' ,+10' -1#"24'D7"' +' 0, ,1 '0'0"' 2+' -"3"*' -*1#4 . +-1"*' +' ,#0$ '0*(' '" . "' ,+1"' -'+-1 3"' 2+' 8,"* '"+*' ,4;1 '0*' +' 2+' ,#+#0 "*' 0"*' -2 3 24"*' 94"' + .' $0+*' '4 4#0*' . 0 *' *+' 2+*$ -/4 **+ .

5 ' ', ' ' ' ' * >' "##+*,"-2+# *+' '" .' 0*' *"' +202+*' . 0 *' -"$03+ *' 2+||+/401' -0$4#+G0

+4- #' 4 . 0' ; ;1 "$;+'0' 20*' . +1;"#+*' ";#0*' *";#+' 0' +*,+' 01 202+

"# . 0# 4 .' /0; -+1+' 2+' . "2+1"*' +' -*1#4 . +-1"*' 0/#0# "*' 2+' :"#' $ '4114#0' +' F0#2 -0/+ .

4;1 '0#(' + .' +,"'0*' *0*(' 4#-' F"#-01(' +#0' 94+' 2+**+' -"1 ' 0(' -0"' *"' 2"' #+*41102"' 2+' *40*' +8,+# +-' 0*(' *+-0"' $0 . ;+ .' 2"*' -"3"*' ,#"Z '+**"*' +' 20*' -"30*' ,10-$0*' 94+' *+' "**+#0' -$#"24G -2"(' +' *40' 1 1 ' 202+

10;+1+'+#' ,#+ . "' ,0#0' 0' ,4;1 '0'0"' 2+' ";#0*' ,4#0 . +-$+' +1+ . +-' 10#+*(' ,#", # 0*' ,0#0' -*1#4 #' "*' '411 302"#+*(' 4-2020*' +#0' +8,+# +-' ' 0*' *+/4#0*(' +' 0'" . . "2020*' 0"' '1 . 0' +' 0*' ' #'4 . *$0-' 0*' +*,+' 0+*' 2"*' -"**"*' 1+##+-"*' +' '4 4#0

"#' 940-$"' +#0 -2 *,+-*03+1' 20#' '" -;+' . +-$"' 20' -0$4#+G0' +' -*' 20' "' +202+' 1"#0' +' " ."-0(' 0-$+' ,0 ."*' 4 .' ,"4'"' 0*' -2 '0'"+*' 94+' -5+*1+' $" ."' *+' #+ +#+ .' 0"' #+ -02"' 20' *+-;"#0' ' 0# 0' -(' . +-' " ' -0-2"' "*' +*$0$4$"*' 0, ,#"302"*' + .' ACD>

5+**+' . +* ."' 0--"' '+1+;#"4' 0' *"' +202+' 4 . 0' +8,"* /0"' 2+[1"#+*' +' ,10-$0*(' 94+' . +#+'+' *+#' '" . . + ."#020

' +8,"* '0"' +11+ $4"4 *+' -"*' 2 0*' AI(' A7' +' A>' 2"' . +G' 2+' . 0 "' -"' 0**+ "' 4;1 '"

.' F4#N' . 4 1"' '" . ,+1+-$+' +' 04'$"# *02"' 2+4' "' *+-' ,0#+'+# *";#+' 0' +8,"* /0"(' -"*' $+# ."*' . 0 *' 1 *"-/+ #"*' +' +*,+#0- "*"*

K ' *"' +202+' 4 ' ' ' 2 **+' "' F4#N(' '#+*'+' +' . +2#0' 0' "1;"*' 3 *1"*(' +' ' * ' 2"' *+4' ,#"/#+**"' 0,#+*+-$"4' -"' . +G' 2+' . 0 "' 25+*10' ,# . 03+#0(' -"' 0**+ "' 4;1 '"(' 4 . 0' +8,"* '0"' 2+' 1"#+*' +' ,10-$0*(

K 0"' +#0' #0G"03+1' -5+*$+' +-*0 "' B," *' '" . "' 101' "' ,"2+#0"*' 0, ,+1' 1 20#' +8 / #' . 0 *E' +' 0 -20' 0** .' 6' /#01"' ";*+#30#(' 94+' +*$0' +*10' # *" ' -;0' ,0#0' "*' "1;"*(' *403+' ,0#0' "' "1 0'$"' " ' . . +-*0 . +-$+' '"-'"## 20

#0-2+' '", 0' 2+' 1"#+*' +' ,10-$0*' 3 +#0 .' 7+8,"* '0"(' +' 1"2"*' "*' 94+' 0*' 3 ."*' 02 . # ."*' 0 "# . "*4#0' 2"' +*,+'10'41"(' +' 0' ;+1F+G0' 2+

. 4 $"* ,# . "#+* 20 "0$4#+G0(94+ . 0 * 2+ 4#- *";#+*01 0 + ,#+-2 0 0 01 + - '0" H

?F4#N +-'0#+' 0 0 30-$0/+ . 94+ 0 *"' +202+ $ 3+#0 2+ *+# ,#+* 2 20 ,+# +1 #+ +#-0-2"(+-$0 #+/+-1+ 2+ "#$4/01(-0 ;"0 3"-$02+ -1+11 /+-' 0 2 9401 2+,"* $030 F4#N '0;01 '"- 0-/0

"$030 F4#N 94+ ,"# +*,0/ 2+ $#+* 2 0* /"*"4 0 '0, $01 +- 1+3 2;4 . +*,+'$0'41 -$+ #0 . +-1+ -"3"E *4''+2+-2 94+ ,4;1 '* :"43+ '" . 4 . 0 * *42+G0 + ,#42+-' 0 2 /-0* 2+ $"2 +1"/ " + *$+ #+*,+ $" 2 **+ F4#N< K 4$# #+'"-:+' . +-$:0 0 $# ;4$0#E + " 94+ *+ 2+3+ 0 ,4;1 '" 20 '0, $01 ,+G0# 2+ $+# '"-'"## 2 /#0-2+ -4 . +# 2+ ,+**"0* + . $"2"* "* $#+* 2 0* 20 +8,"* /0"(2+ :+* -0 :03+# * 2 3+202 0,#"8 . 0#+ . *+ 2+ '020 4 . 2"* ";F+'$+*(0* ,10-$0* -0 *"1 #+#0 . " . +-"# ,#+F4 G"(+ "#0 . +-$#+/4+* 1"20* 0 *+-* #+*,+ '$ 3"* 2"-"* + . $0 ;" . +*$02"('" . 094+11+ + . 94+ 1 03 0 . * 2"# #+ '+; 20*(/#0/0* 0 ;" . *+-*" +2"' 1 202 2"* ;0; $0-$+* 25+*$0 ' 202+ Q

0 '" . ,"#$0-2 "* 1 . $+* 2 -"** $#0;011 0'" . ,0-:0# F4#N -0 2+*'# ,/0 2"* ,# . "#+* 3+/+10+* 94+ 0;#1:0-$0#0#0 0 +8,"* /0"(94+#+ . "* 0 +-"* ,"# 2 0-$+ 2"* "1:"* 2"* 1+ $"#+* 4 . $#+':" 2 * 94+ 2+ 80 02 3 -:0# " . 4 $" 94+ -5094+110 +8,1+-2 20 +*10 " 02 . #02"<

Z 5+*$+ 0F4-$0 . +-$ 2+ ,10-$0*(" 94+ . 0 * #0#0+2 0$0 . +-$+ +# 0 0 0$$+-/0 +#0 " . 0/- '" /#4," 2+ 3+/+$0+* 2"* $#", '"*(94+ /40# -+' 0 0 ,0#$+ . 0 * + . -+-1+20*;0-'020* '+-$#0+*('" . ,"*$" 940* $"2" 20* -4 . +#"*0* + . 4 3 *$"*0* 01 . + #0*(4*0'+0* + 0-20-0'+0*Z " . -030 " '+-1#" 25+*$+ +8$#+ . " /#4," 2+ ,10-$0* 0 . 0/+*$"*0 0$0- 0 ;"#;"- '0 '" . 0 *40 #00/- '0 +;#1:0-$+ "1:0/+ . . 0/ -0/0" ," 2+# 0 0G+# -"* '#+# $#0-*,"#$02"* 0 +**0* #+/ "+* -$+#$#", '0+*("-2+ +,"** 3+1 3+# + 02 . #0# 0 3 /"#"*0 3+/+$0/0"(94+ ':+/0 0 '#+0# 0* ;# :0-$+* "# . 0* + 0" . +*#0" $+ . ," +-"# . +* ,#", "#/"+* 94+ 0* 2 3+#*0* ,0#$+* 2"* 3+/+$0+* 01 0294 #+ . Q

+8,"* / " -0;'"-* *$ 4 *" . +-$+ + . "#+* + ,10-$0*("#0 . $0 . ;+ . +8,"*$"* 01/4-* -*1#4 . +-$"* 0/#0# "* 94+ " F4#N 2 **+ +-/+-:"Z *0 . +-$+ ** , & , 2 0 -* ?'"--+ 2+ 0##";" "+8,"* $"# 2+ 4 . 3+-1 102"# ,0#0 1 . ,+G0 2+ '+#+0+* + 1+/4 . +*(+ 2+ 4 . '0##" + $" ,"# 4 . "2+1" 94+ . 0-20#0 3 # 2+ $01 0 * 2+ . 0 * -*1#4 . +-$"*(2+ ;"0 -" . +020 +,"# +8$#+ . + 4$+ * -"* #0+*$+#+* 20 103"4#0("#0 . 0,#+*+-$02"* ,+1" -*$ 4+ /# '"10('4F0 2 #++/0" *+ ,#+*$"4 0 +-# 94+'+# '" . +11+*(+ '" . "* 30# 02"* ,#"24'$"* :"#$ '"10* 20 *40 94 -$0 +8+ . ,10#(0 +8,"Z * /0" ,#" . "3 20 ,+10 *"' +202+

J ; 9 J

?F4#N $+# . -030 20-2" 4 . *014$0# '"-*+1:" 0"* ,"#1"/4+G+*(+8,#+**0-2" 0 +*,+#0-'0 2+ . +1:"# 414#" +#0 . 0$+# 0 2+ '4114#0<

' *$+*"1" +#$ 1(+*$+ ;" . '1 . 0 2" -"**" "#$4/01('"-3 20 . -"* -'+**0-$+ . +-$+(+940* 94+ -"* 0#/4+ . *+#0 '+**0# 2" -"**" -940 1 '03+1 01#0*" -0* 2 +#+-$+* '4114#0*E -6* 94+ *" . "* 2"* ,"3"* 94+ 0* ,"2+# 0 . "* 0,#+*+-$0# -" +*102" . 0 * 1"#+*'+-$+ 20 4#",0 H

$" -" 94+ $"'0 > 023+#$+-' 0E 0 #+,+ 1" 20 +*,+#0-/0 2 G 0<

K 6* +*,+#0 . "* * -'+#0 . +-$+(0F4202"* ,+10 #"3 2+-' 0(+ 2 # / 2"*,+1" '"-*+1:" $0" '" . ,+$+-1+(+ 114*$#02" ,0$# "1 * . " 2+ *40 . 0/+* $02+ +1 #+ " * # +#-0-2"`(2+*+ . ,+-:0# +1 . +4$+ " -"**" ,#" /#0 . . 0(+ '"-'"##+# 2+ 4 . " . "2+ . 4 0** /-0102" ,0#0 0 ,#"*,+# 202+ 2+ $"20* 0* '4114#0* +#0 "#$4/01(94+ *0" 0 ,# . + #0 2+ *40* -24*$# 0* 3

'0#0" 094 #+/ *$02"* "* -" . +* 2"* 3"/0+* 2" F4#NE *0" "*5*+ /4 -$+*< 0#94+G 2+ '01:"(0#0" 2" 0*$+11" 2+ 0 30(0+$0-" +#R #+ #0 20 130 + #0"(40#$+ 0 #-*(2# +#-0#2 -" -$"- " " . +*

/2

> / 3/ A . A

"# . 0" 2" /"3+#-02"# 20 ,#0/0 2+ 41 0" 20 0##0("0" 20 01$0 :0,4G+$(#+'+;+4 " /"3+#-" 4 . +8+ . ,10# 2"* +*$0$41"* 2+*$0 *"' +202+

?/"3+#-" #+ . +$$+4 " #' +# 2" +8+ . ,10# > **"' /0" +#'0-$ 1 2+ *;"0('"-3 20-2" 0 ,0#0 94+ :"43+**+ 2+ '"02F430# 0 *"' +202+ '" . *40* 14G+* +' '"-:+' . +-1"* ,#0$ '"*(;+#0 '" . " '"-'"##+# '" . " . +- ' "-02" /"3+#-02"# ,0#0 *+ +*$0;+1+'+# +-1#+ -"*4 . 0 0**"' 0/0"(94+ ,"2+**+ '"##+*,"-2+# 0 -* $0" 41+ * +, : 10-$#", '"* ‖

*$+ 0**4#0,1" 2+ . 0-2030 +*142" + 2+2 '0/0"(-" -$+#+**" 20 ;4 . 0- 202+(0 . 2+ 94+ 2 . -4 **+ . " "* -04 #0/ "*("4 ,+1" . +-"* *+ . -"#0**+ . " "* $+## 3+ * + +1"* 2+ $0" ,+*0#"*"* 2+*0*$#+*(*"'"##+-2" "* -03 "* +#0 ,+# /"(*0130-2" "* -04 #0/"* ,"# #0+ " 2+ ;" 0* 2+ *01 30/0"("4 '" . " 048 1 " 2+ #00# $ #0"* "4*02"* + +8,+# #0+-102"*(94+ *+ 0;010-/0**+#0 0 11 " 0## *'02" *+#3 /" B +F0 0 ,"#$0# 0 2+ W 2+ *+ 1+ . ;#" 2+ AC7

' 1. ' ' >

6' #0#"' +-'"- #0# 4 . 0' ,"#$0# 0' . 0 *' ;+ . ' '"-'+; 20(2"' 94+' 0' 2+' ID' 2+' $-0 "' 2+' AC7D(,+10' 9401' "' 04'1"# *02"' "' +*$0;+1+' . +-$"' 20' "' ' +202+' 4# 2 '0' 2+' *;"0(+' 0, ,#"302"*' "*' *+4*' +*014"* *' "*' $+##0"*' +#0' 9-+' "' . - *$#"' 2"' #+ -"(/"*1 - :"' "*6' #+ #+(+8,#+**030' 0' 2+' *0"' 20' *";+#0"0<

" +-2"' ,#+*+-1+' 0' *40' . 0/+*$02+' 0' #0 - :0(+#0' " ' "' 2"' ,#+ + 1"' 20' *1#+ . 024#0' 2+' D' 2"' '"##+-$+' . +G("*' +*$014$"*' 94+(,0#0' *+4' #+' / . +-1"' +'"-" . '"' +' 1 $$+#0# "("# . 01 *"4' 0' "' +202+' 4# 2 '0("#/0- ' *020' -5+*$0' '0, $01('" . ' "' #0' 2+' 2 *'41 #(+' 2+' ,#", "#' 0"' /"3+#-"' +' *' '"#$+*' "*' ,#"F+'$"*' '"-3+- +-$+*' *";#+' 0' #+ "# . 0(4- "# . 202+' +' -1+1' 1 /+-' 0' ,#0$ '0' 20' 1+/ *10/0", "#$"/4+G0' -"*' *+;*' 2 3+#*"*#0 . "*< ' '"- ' ?0-2"' *40' . 0/+*$02+' 94+' 2"*' G+1"*"*' $#0;01:"*' ,#+,0#02"*' ,+10' 11 *' $#0X0"' +' . 02 #0' +8,+# +-' 0' 2"*' F4# *'"-*41$"*' +' "41#0*' ,+**"0*' 1 $1+' #010*' 2+' 94+' 6' '"$-,"*$0' 10"' ,0$# "1 '0' 0**"' 0'0"(2+3+ . ' #+*4110# . 4' . ,"#$0-1+*' . +1:"#0 . +-$"*' 0 4 . 0' *' +-' 0(94+' 6' "' ,# -' , "' 3 $01' 2"' '"#,"' ,"1 $ '"(+' 0' . 0 *' *+/4#0' ;0*+' 20' '1 ' 202+' ,4;1 '0< 0' ,"#' ;+ . ('"- "# . 0-2" *+' '" . ' "' ,0#+'+# 2"' ,#"'4#02"# /+#01' 20' '"#"0(*+-2"' "4' 3 2"(04'1"# *0# "' +*$0;+1+' . +-$"' 20' #+ +# 20' "' +202+' 4# 2 '0(+' 0, ' ,#"30# "*' 2 1"*' *+4*' +*014"*E . 0-20-2"94+' +11+*' *+F0 . ' '" . +*$0' ,4' ;1 '02"*' -"' # ' ' ; '+' 94+' 0** . ' *+' ,0#$ ' ,+' 0"' 2 $"' ,#+ + $"(,0#0' -5+*$0' '"- "# . 202+' "' 0G+# '"-*$0# ' . +* . 0' *"' +202+ S

' +014"*' $ - :0 . ' * 29' +10;"#02"*' ,"# 2 *$ - '$"*' F4# *'"-*41$"*(+' 0, ,#"302"*' + . ' *+**0"' 2+' AI' 2+' 0;# 1' 2"' #+ +# 2"' 0- -"' 2+' AC7DE *+-R 2"' ,#+* 2+-$+' 20' 0**+ . ;1+0' # :' *'"' 2+' 0410' +' 1 3+ #0(+' *+'#+$0# "*' ;+1' 0# 0' "#20"' 2+' 0 30' 0-*"(+' "*+' 0# 0' 20' "*$0' 13+ #0' 20' "1$0

"*' $+# . "*' 2"' 0#1 /"' AS +#0' $ ' ' > '"-'"##+# ,0#0' 0' #+ "# . 0(4- "# . 202+(+' ,+# + X0"' 20' 1+/ *10'0"' ,"#$4/4+G0' + . ' $"2"*' "*' #0 . "*(80-2"' +' +*10;+1+'+-2"' 0' *40' -$+11 /+-' 0' ,#01 '0(#+,#+*+-' $0-2"' 0"' /"3+#-"("4' *' '0 . 0#0*' 1+/ *10$ 30*($"2"*' "*' -'"-3+- +-1+*' +' 2+ + $"*(+' " +#+'+-2" 1:+*' ,#"F+'$"*' ,0#0' 94+' 094+11+*' '+**0**+#0

03+# 0' -0' *"' +202+' ' ' * ' 0' *0;+#<

" . . **0"' 2+' 2 #+ $"' ,4;1 '"

H' 2+' 2 #+ $"' ' 3 1(

H' 2+' 2 #+ $"' '# . -01

<*B

" . . **4 2 2 #+ 1 ' " . . +#' 01
2 2 #+ 1 02 . - *$#0$ 3"
020 4 . 0 2+*$0* ' " . . **"+* *+# 0 ' " . , "*$0 2 ' - ' . + . ;#"*(
90+ +-$#+ * - " . +0# 0 . " *+4 ,#+* 2+-$+(*+'#+$0# "(+ #+10$"# J + 01
/4 . . + . ;#" 0110**+(0 *"' +202+ -" . +0# 0 "4$#" ,0#0 " *4 ;*$ $4 # J
"2+# 0 '"-3 20# 940194+# *"' " ,0#0 0 '"02F430# -"* *+-* $#0;01:"*(
'0-2 01 0* 0 '"-3 202 0 1 ;+#202+ 2+ 0''+ $0# "4 -0 0''+ 10#
#42+-1+ . +-1+ "#0 . ; ;*$0;+1+' 20* 0* 240* *+/4 -1+* 2 *, "* /"+*(
94+ 0 0-/030#0 0 . 024#+G0 20 2 *'4**0" +" 0'+#1 20* #+*"14/;+*<
A S +*10* ' " . . **"+* *+# 0 .(0-$+* 2+ +-$#0#+ . + . 2 *'4**0"(
#+ . +1$ 2"*(*+/4-2 0 *40 -0$4#+G0 + ";F+'$"(,0#0 *";#+ +11+* 20#+ .
+4 ,0#+'+#(1"2" "* ,#"F+'$"* "4 $:+*+* 0,#+*+-$02"* ,"# 01/4 . "4
01/4-* 2"* *"' "*E + 2 5+110* *+# 0 . + . ;#" -0$"(01+ . 2"* ' - ' F2 -"
. +02"*($"2" 094+11+ 94+ 0,#+*+-$0**+ "* ,#"F+'$"* "4 $:+*+*
I S *$+* ,#"F+'$"* "4 $:+*+* *+# 0 . 1 2"* ,+1 *+4 04'$"#("4 ,+1
"' " 94+ " 0,#+*+-$0**+(+ "* *+4* . "1 3"* + 4-20 . +-$"* *+# 0 . 2+* *
+-3"13 2"* + . 4 . 0 . + . "# 0(-0"'1 20 -0 *"' +202+(. 0* +-$#+/4+ 1"/"
' " . * ,#"F+'$"* "4 $:+*+*(,0#0 *+# ,#+*+-$+ 0 +*,+'$ 30 ' " . . **0"(
+ 0 940194+# *"' " 94+ ,+#04$+ 0 ' " . . **0" 0 94 G+**+ +80 . -0#
1+ . 20* ' -' ' " . . **"+* ,+# . 0-+-$+*(,"2+# 0 0 *"' +202+ -"Z
. +0#(*";#+ 940194+# "; F+'$"(0* +*,+' 0+* 94+ F41/0**+ -+'+**0# 0*E 2+
* -0-2 0-$+* " -4 . +#" 2"* . + . ;#"*
+# 0 0 *"' +202+ #+/410#. +-$+ * < - "* 2" . -/"*(-"* #00 * 2 0* 94+ +*'"1:+**+(0 :"#0 + ,+1 $+ . , 94+ 2+$+#. -0**+
03+# 0 4#-1 3#" 20* * 0'$0*(2+," * 2+ 0, ,#" 3020* 2+3 0 . *+# 0** /-020* ,+10 . +G0 20 0**+ . ;1+0 /+#01
* +*$0$4$"* #+/41030 . '"-3+- +-$+ . +-$+ $42" " 94+ 2 G 0 #+*, + $" 0* 9401 202+* + -*'# , /0" 2"* *"' "*E 0"* '0#/"* 20 *"' +202+ + #+* ,+'1 30* 0$$# ;4 /"+*(2 #+ $"* + 2+3+#+*E 0"* + . ,#+/02"* *4;01$+#-"*E 2* +1+ /"+*E + 0" #+/ . +- +'"-" . '"

+# 0 0 *"' +202+ 4 . , +# "2 '" -$ $4102"<
" 9401 *0 # 0 $"2"* "* . +G+*(+ +"-$+# 0 "* +8$#0'$"* 20* *40*
*+**"+*E "* +8$#0'$"* 2+ $"2"* "* ,#"'+**"* 94+ " #+20'$"# , "2+**+ ";
$+#(+ :+ ,0#+'+**+ . . 0 * -"$03+ *E 9-0+*93 +# 0-01N*+*(#+ 1+8"+*("4
2 *'4#*"*(0-01"/"* 0" #0 *"' 01(94+ "* *"' "* #+ . +$$+**+ . 0" #+20'R
$"#(,0#0 -*+#*0"(+ "**+ . , ,0#0 $01 2+*$ -" 0, #"302"*E + -01 . +-1+
,0#0 $42" 940-$" 0 *"' +202+ . 0-20**+ . , # # -"* 94+ +#0#0
-$+#, #+$+ + " "#/0" 2" *+4 *+-$ # + , +-*0#
* 0* ,#+'04/"+* 94+ "* +*$0$4$"* +*$0;+1+' 0 . 0 $01 #+*, + $"<
) * 3 4 I>

. ; 9 L J

A ˢ Ś +- :4 . ˢ 0#$ /"("4ˢ 2 *'4#*"(#+ . +$$ 2"(,0#0ˢ -*+#*0"(0"ˢ #+R 20'$"#ˢ ,+1"*ˢ *"' "*(*+# 0ˢ ,4;1 '02"ˢ *+ . ˢ 0** /-014#0ˢ 2+ˢ 94+#-ˢ "ˢ #+ . +$ˢ $+**+

I ˢ Ś) 40-2"ˢ "ˢ #+20'$"#ˢ +-$+-2+**+ˢ 940ˢ -0"ˢ +#0ˢ '"-3+- +-$+ˢ ,4;1 ˢ '0#ˢ 01/4 . ˢ 0#$ /"("4ˢ 2 *'4#*"ˢ 94+ˢ 01/4 . ˢ *"' "ˢ #+ . +$$+**+(,"#ˢ '04*0ˢ 20ˢ 2"4$# -0ˢ "4ˢ 2"ˢ +*$N1"('"-*4110-2"ˢ 0ˢ +**+ˢ #+*,+ $"ˢ "*ˢ *+4*ˢ 0F420- ˢ $+*(+ˢ *+-2"ˢ 2 +*("4ˢ 0ˢ . 0 "#ˢ ,0#$+(2"ˢ . +* . "ˢ ,0#+'+#(#+*$ $4 # 0 . ˢ "ˢ "# / -01ˢ 0ˢ *+4ˢ 2"-"ˢ '" . ˢ 0*ˢ ";*+#30) "+*ˢ #+*,+'1 30* ˢ +ˢ "ˢ 0,#+*+-$0-$+ˢ 2"ˢ 0#$ /"("4ˢ 2 *'4#*"(0':0**+ˢ 2+*$ $4 20*ˢ 2+ˢ 4-20 . +-$"ˢ 0*ˢ ";*+#30 ˢ /"+*ˢ ,"2+# 0#+,#+*+-$0#ˢ *"' +202+(0ˢ 9401("43 -2"ˢ 0ˢ '" . ,+$+-$+ˢ '" . ˢ . **0"(#+*"13+# 0ˢ *";#+ˢ 0ˢ ,4;1 '0/0"('" . ˢ "4ˢ *+ . ˢ 01/4 . 0*ˢ 01$+#0/;+*

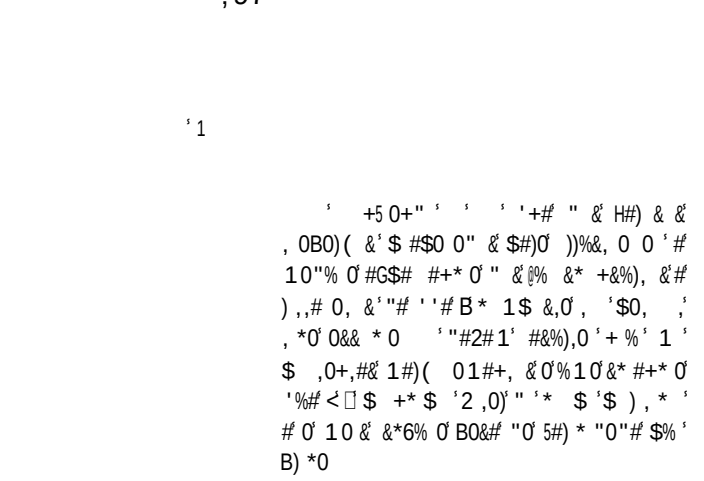
/Cˢ ˢ ˢ ˢ ˢ *0$ *) G+#0 . ˢ "*ˢ -*ˢ ,0#0ˢ 94+ˢ +#0 . ˢ 2+*$ -02"*('"-$+-2"ˢ 0,#"3+ $03+ *ˢ +1+ . +-$"*ˢ 2+ˢ +*$42"(+ˢ -$+#+**0-$+*ˢ 2"'4 . +-$"*

"ˢ 7 Sˢ $" . "ˢ 20*ˢ -"**0*ˢ % ˢ ˢ : ˢ ˢ 8 ˢ ˢ 2ˢ ˢ ˢ : ˢ ˢ $ 3+ . "*ˢ '''0* 0"ˢ 2+ˢ #+,#"24G #ˢ 2" *ˢ 2"'4 . +-$"*ˢ 94+ˢ 4#-ˢ 2"*ˢ *"' "*ˢ #+/ *$"4ˢ -"*ˢ ˢ ?ˢ 2 *1 -'$"ˢ 023" ˢ /02"ˢ ;+1ˢ 0# 0ˢ "#20"ˢ 0 30ˢ 0-*"(+*'#+3+-2"ˢ 01ˢ 2'+#'0ˢ 20ˢ -*$ $4 ˢ /0"ˢ 2"*ˢ $ ˢ * ˢ ,#"24G 4ˢ 4 . ˢ '0, $41"ˢ 20*ˢ '6#$+*ˢ 2+ˢ A>CAˢ +ˢ A>CI(;+ . ˢ '" . "ˢ 0ˢ 9 ˢ ˢ % ˢ ˢ GMˢ ˢ ˢ ˢ EMELˢ ˢ * ˢ < ˢ #ˢ 5 ˢ ˢ : ˢ ˢ

?ˢ 94+ˢ 2+ 80 . "*ˢ 0,"-$02"ˢ +ˢ 0,+-0*ˢ 4 . ˢ ;#+3+ˢ +8+ . ,1"ˢ 2"ˢ . +#+' ˢ . +-$"ˢ 2"*ˢ

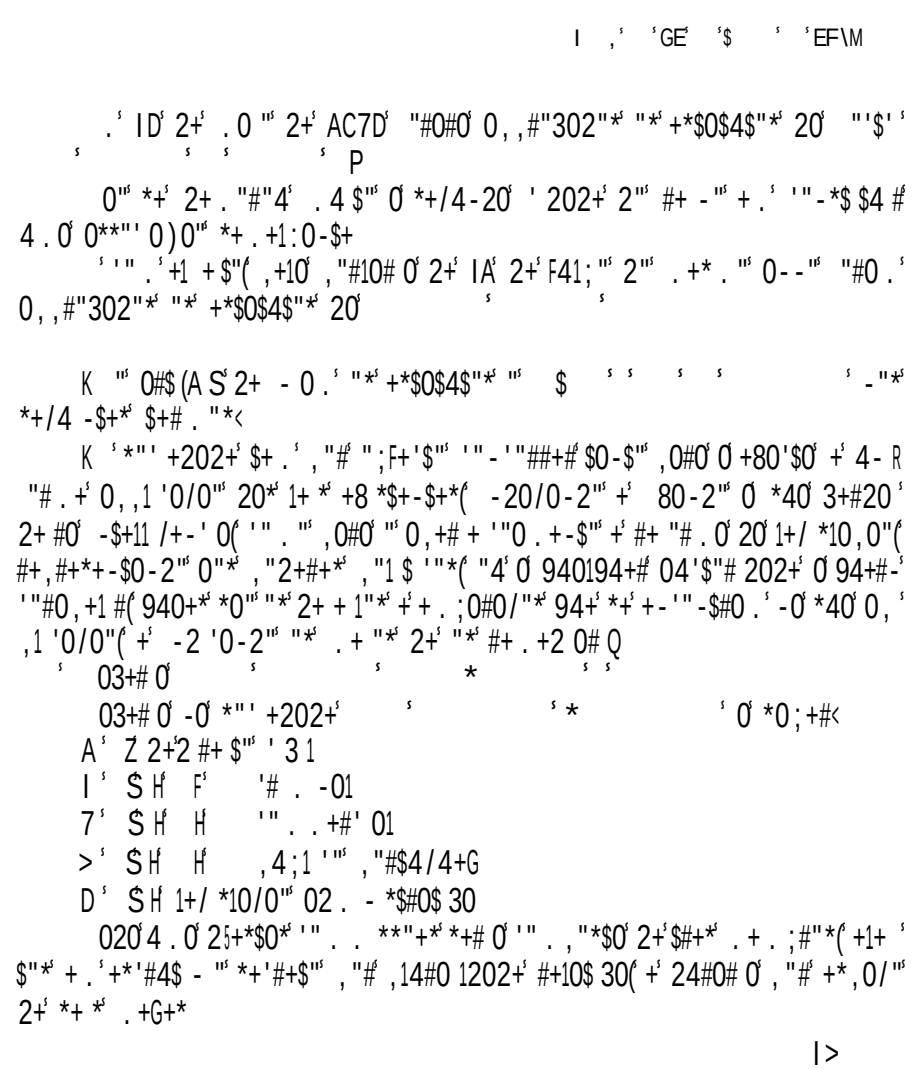
ˢ +5 0+" ˢ ˢ ˢ '+#ˢ " &ˢ H#) & &ˢ
, 0B0) (&ˢ $ #$0 0" &ˢ $#)0ˢ))%&, 0 0 ˢ #ˢ
1 0"% 0ˢ #G$# #+* 0ˢ " &ˢ@% &* +&%), &ˢ#ˢ
) ,,# 0, &ˢ"#ˢ ' '#ˢ B * 1$ &,0ˢ , ˢ$0, ,ˢ
, *0ˢ 0&& * 0 ˢ "#2# 1ˢ #&%),0 ˢ + % ˢ 1 ˢ
$,0+,#&ˢ 1#)(0 1#+, &ˢ 0ˢ%1 0ˢ&* #+* 0ˢ
'%#ˢ <□ $ +* $ ˢ2 ,0)ˢ " ˢ* $ ˢ$) , * ˢ
#ˢ 0ˢ 1 0 &ˢ &*6% 0ˢ B0&#ˢ "0ˢ 5#) * "0"#ˢ $% ˢ
B) *0

I ,ˢ ˢGEˢ ˢ$ ˢ ˢEF\M



.ˢ IDˢ 2+ˢ . 0 "ˢ 2+ˢ AC7Dˢ "#0#0ˢ 0, ,#"302"*ˢ "*ˢ +*$0$4$"*ˢ 20ˢ "'$' ˢ
ˢ ˢ ˢ ˢ P
0"ˢ *+ˢ 2+ . "#"4ˢ . 4 $"ˢ 0ˢ *+/4-20ˢ ' 202+ˢ 2"ˢ #+ -"ˢ + .ˢ '"-*$ $4 #ˢ
4 . 0ˢ 0**"' 0) 0"ˢ *+ . +1:0-$+
ˢ '" . ˢ+1 + $"(,+10ˢ ,"#10# 0ˢ 2+ˢ IAˢ 2+ˢ F41;"ˢ 2"ˢ . +* . "ˢ 0- -"ˢ "#0 . ˢ
0, ,#"302"*ˢ "*ˢ +*$0$4$"*ˢ 20ˢ ˢ ˢ

K "ˢ 0#$ (A Sˢ 2+ - 0 . ˢ "*ˢ +*$0$4$"*ˢ "ˢ $ ˢ ˢ ˢ ˢ ˢ -"*ˢ
*+/4 -$+*ˢ $+# . "*<
K ˢ*"' +202+ˢ $+ . ˢ ,"#ˢ ";F+'$"ˢ '"-'"##+#ˢ $0-$"ˢ ,0#0ˢ 0ˢ +80'$0ˢ +ˢ 4- R
"# . +ˢ 0, ,1 '0/0"ˢ 20*ˢ 1+ *ˢ +8 *$+-$+*(-20/0-2"ˢ +ˢ 80-2"ˢ 0ˢ *40ˢ 3+#20ˢ
2+ #0ˢ -$+11 /+-' 0('" . "ˢ ,0#0ˢ "ˢ 0,+# + '"0 . +-$"ˢ +ˢ #+ "# . 0ˢ 20ˢ 1+/ *10,0"(ˢ
#+,#+*+-$0-2"ˢ 0"*ˢ ,"2+#+*ˢ ,"1 $ '"*("4ˢ 0ˢ 940194+#ˢ 04'$"# 202+ˢ 0ˢ 94+#-ˢ
'"#0,+1 #(940+*ˢ *0"ˢ "*ˢ 2+ + 1"*ˢ +ˢ + . ;0#0/"*ˢ 94+ˢ *+ˢ +-'"-$#0 . ˢ -0ˢ *40ˢ 0, ˢ
,1 '0/0"(+ˢ -2 '0-2"ˢ "*ˢ . + "*ˢ 2+ˢ "*ˢ #+ . +2 0# Q
ˢ 03+# 0ˢ ˢ ˢ * ˢ ˢ
03+# 0ˢ -0ˢ *"' +202+ˢ ˢ ˢ * ˢ 0ˢ *0;+#<
A ˢ Zˢ 2+ˢ2 #+ $"ˢ ' 3 1
I ˢ Sˢ Hˢ Fˢ '# . -01
7 ˢ Sˢ Hˢ Hˢ '" . . +#' 01
> ˢ Sˢ Hˢ Hˢ ,4;1 '"ˢ ,"#$4/4+G
D ˢ Sˢ Hˢ 1+/ *10/0"ˢ 02 . - *$#0$ 30
020ˢ4 . 0ˢ 25+*$0*ˢ '" . . **"+*ˢ *+# 0ˢ '" . ,"*$0ˢ 2+ˢ$#+*ˢ . + . ;#"*(+1+ ˢ
$"*ˢ + . ˢ+*'#4$ - "ˢ *+'#+$"ˢ ,"#ˢ ,14#0 1202+ˢ #+10$ 30(+ˢ 24#0# 0ˢ ,"#ˢ +*,0/"ˢ
2+ˢ *+ *ˢ . +G+*



A6 . 2+*$0* '" . . **"+*(-" . +0# 0 " , #+* 2+-$+ 094+110* 94+ 0 *"' +202+ F41/0**+ -+'+**0# 0* , 0#0 " ;F+'1"* +*,+' 0+*

* +*$0$4$"* '"-'+2 0 . 0"* *"' "* " 2 #+ $" 2+ , #" , +# "4 " +#+'+# 940194+# , #"F+'$"($:+*+ "4 '"-*41$0 F4#12 '0(, 0#0 *+# 2 *'41 20 "4 #+R *"13 20 , +10 *"' +202+

, #" , "*$0 *+# 0 + $0 , "# +*'# , $"(0** /-020 , +1" *"' " , #" , " -+-$+(+ 0 , #+*+4$020 0 . +G0 + $0 0 1+ $4#0 20 , #" , "*$0 , +1" *+'#+$0 # "(*"11 ' $0# 0 " , #+* 2+-$+ 0 02#- **0" 2+110(+ #+*"13+-2" 0 0**+ . ;1+0 94+ "**+ 02 . $$ 20 2 2 *'4**0"('0# 0 0 . +* . 0 , #" , "*$0 *";#+ 0 . +G0(0 . 2+ *+# 2+* /-020 , 0#0 "#2+ . 2" 2 0('" . 0 2+3 20 0-$+' , 0/0"

* $:+*+*(, #"F+'$"*("4 '"-*41$0*(94+ "* *"' "* '"##+*, "-2+-$ +-3 0**+ . 0 *"' +202+(*+# 0#0 0'" . , 0-:020* 2"* 4-20 . +-$"* 94+ $ 3+**+ , #" , "-+-$+ , 0#0 0 # . 0#(243 20#("4 *+ 0;#0 0# " *+4 , #"F+'1"E 2+(3+-2" 0 1+ $4#0 2+*$+* 4-20 . +-$"* , #+'+2+# 0 2 *'4**0"

"-'14 20 94+ "**+ 940194+# 2 *'4**0" 94+ 0 *"' +202+ F41/0**+ 2 /-0 2+ *+# , 4;1 '020(*+# 0 +110 #+24G 20 0 4 . 0 . + . "# 0 , "# 4 . 0 '" . . **0" -" . +020 , +1" , #+* 2+-$+(, 0#0 +**+ 2 .

* +*$0$4$"* #+/41030 . 0 "#/0- *0/0" 20 *"' +202+E " #+/ . +- +'" -" . '"E 0* ";# /0/"+* 2"* *"' "*E + 0'04$+1030 . 0 +3+-$401 202+ 20 #+R "# . 0 2+11+* , #" , # "*

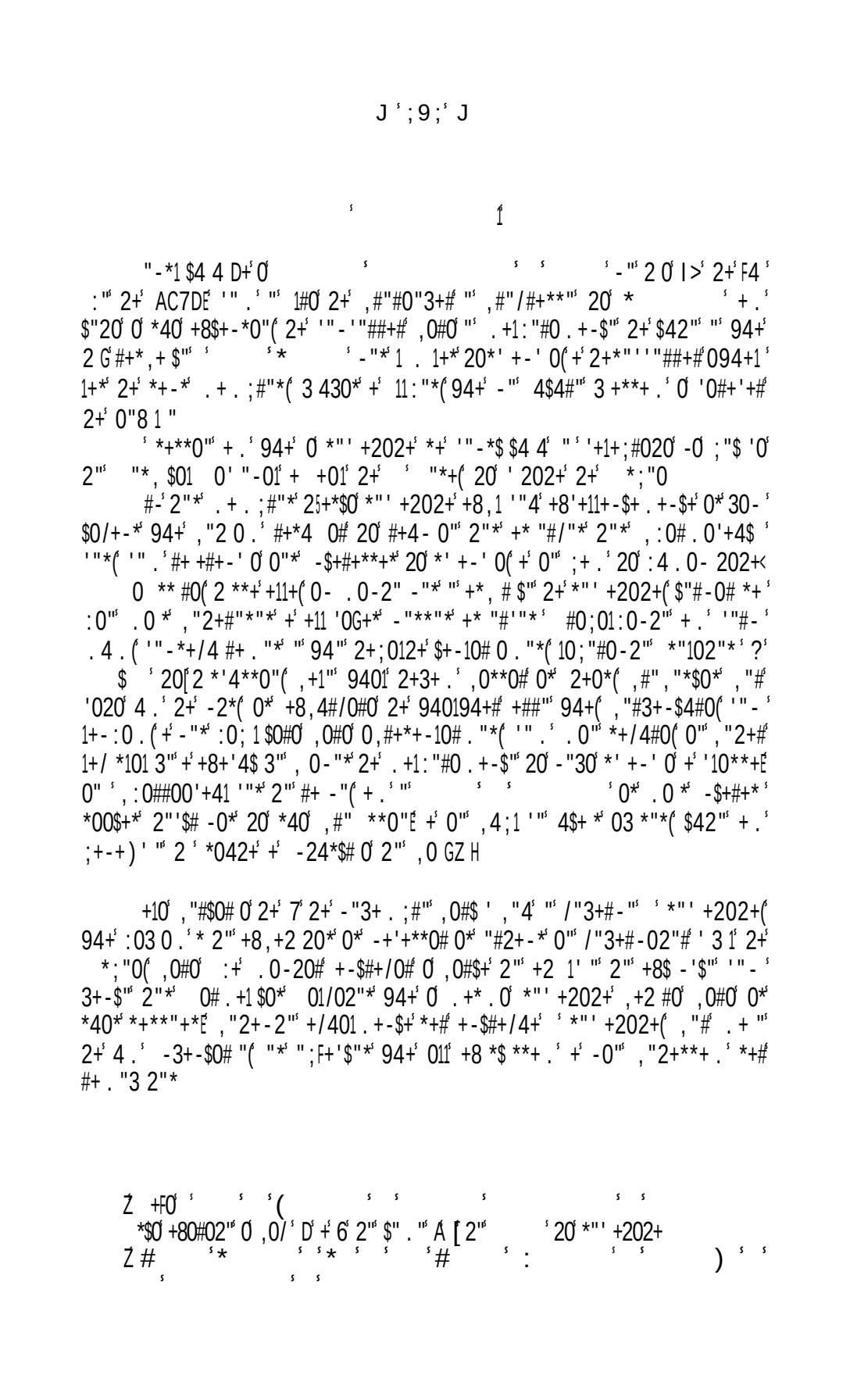
* *

"/" 94+ , "** 3+1 "**+(2 G 0 . "* +*$0$4$"*(0# 0 0 *"' +202+ , 4 ;1 '0# 4#- % * 940 (01+ . 2" +8$#0'$" 20* *40* *+**"+*('"-$+ # 0 0* 2 *'4**"+* + 2+' *"+* . 0 * -"$03+ * 2"* $# ;4-0+*(;+ . '" . " "* +*'# , $"* 94+ "* *"' "* . - *$#0**+ . Z

- *$04#"4 *+ *"1+ . -+ . +-$, -" 2 0 6 2+ F4-:" 2+ AC77('"-'"##+-2" 0 +*$+ 0'$" 4-* *+**+-$0 *"' "*(, #+ * 2 2"* , +1" ;0':0#+1 "#. 02" + . 1+ * 4 \:+#. + :+"2"# "2# /4+*Z

Z +F0 # ; -4 . AV7 2+I> 2+ F41:" 2+ AC7D(, 0/ VAW : +*$0" , 4;1 '02"* -0 -$+/#0 "* +*$0$4$"*

Z +F0 ? % * -4 . AV(2+ A7 2+ F4-;" 2+ AC7D



+*2+ "* ,# . + #"* 2 0* +-$+-2+4 0 *" ' +202+ 94+ "0" +#0 , "** 3"1
-''1"-0# *+ . +*$0$4$"*(940+*94+# 94+ "**+#0 5+*1+ *+-$ 2"(0, ,#"
3"4 ,#"3 *"# 0 . +-$+ "* 94+ '$ "#/0- *0#0E + ''"#0" "**+
-2 *,+-*03+1 $+# -5+*$+ /+-+#" 4 . $#0;01:" #+/410# + 04$:+-$ '"(-"
. +"4 0 *" ' +202+ 4#00 '" . . **0" ,0#0 #+2 / # "4$#"* +*$0$4$"*(94+
:"43+**+ . 2+ *+# *4; . +$$ 2"* 0 0, ,#"30/0" 2" /"3+#-"(+ '"-3+#$+# *+
+ . 1+ ('" . . **0" 0,#+*+-$"4 4 . ,#"F+'$" 2+ +*$0$4$"*(" 940 2+," *
20* 01$+#0/"+*(022 $0 . +-$"* + + . +-20* 94+ 0 2 *'4**0" $#"48+(";$+3+
0 *0-'/0" 2" /"3+#-"('"-'+2 20 ,+10 ,"#$0# 0 2+ AI 2+ 0-+ #" 2+ AC76
* +*$0$4$"* 0** . *0-'' "-02"* ,+1" /"3+#-" #+/+#0 . 0 *" ' +202+(
01+ 0" 2 0 I> 2+ F41:" 2+ AC7C(+ . 94+ '" . +/0#0 . 0 $+# "#/0 2+ ";#
/0# "* 94+ " /"3+#-" 0, ,#"3"4 + . V 2+ . 0 " 2+ AC7C('" . " 1"/" 3+
#+ . "*

+10 ,"#$0# 0 2+ AC 2+ +3+#+ #" ,0#$ ' ,"4 " /"3+#-" > *" ' +202+(
94+ -0" ,"2 0 '"-'+2+# *+ 1:+'0*0 . 0 * 01/4 . 0 -" +2 1' " 2" +8$ -'$"
'"-3+-$" 2" 0# . "E ,"# 940-$" -5+11+(01+#0 20 *" ' +202+(+*$030 +*$0
;+1+' 2" " $# ;4-01 2" 7S 2 *$# '$"(+ :03 0 2+ *+# 01"F020 $#",0(;+ .
'" . " -0 +/#+F0(*+'410# *020(:03 0 2+ *+# +*$0;+1+' 20 4 . 0+*'"10 -"#R
. 01E -0" :03+-2" '" . $42" -+-:4 . 0 243 20 + . * +# ,"*$" > 2 *,"* /0"
20 . +*#00 *" ' +202+ " ,+94+-" F0#2 . (94+ +110 ,#+1+-2 0 0, ,1 '0# 0"
+*$42" ,#0$ '" 20 ;"$0- '0

#0-' *'" 2+ 4 G('0#2+01 0#0 30(#+/ *$"4 -"* *+4*
0,"-$0 . +-$"* ; "/#0,1@ '"* +*$0 2+'10#0/0"<
K . 7? 2+ *+$+ . ;#" 2+ AC76 4 +1+ $" . + . ;#" :"-"#0# " 20
2+ 94+ $ 3+ ,0#$ ' ,0/0" -" . +* . "
2 0(+ ,"4 '" 2+," * #+'+; " 2 ,1" . 0 H

6

* " ' +202+ 2 # / 4 > *";+#0-0 +8,#+**"+* 2+ 0/#02+' . +-$"(,"#
:03+# ? 2+'#+$" 2+ IW 2+ 2+G+ . ;#" 2+ AC76 +*$0;+1+' 2" +*$42"* /+
#0+* ,#+,0#0$"# +*(+ 4 . ' '4#*" +*,+' 01 2+ ,;0# . 0' 0 ' . 0410* #+/4
10#+*

?' /"3+#-"(,+10' ,"#$0# 0' 2+' 7?' 2+' F0-+ #"' 2+' >C7V(2+4' >' *"' +' 202+' 4#-' $+*$+ . 4-;"' 2+' *0$ * 0'0"' ,+1"' ,0**"' 94"' +110' 2+#0(+' :+' 0*P *+/4#"4' 94+' $ -:0' . 4 $"' 0' ,+ $"' . +1:"#0# "' +*$42"' ,:0# . 0'+4$ '"(10"' 4$ 1' >' :4 . 0- 202+

#

+10' ,"#$0# 0' 2+' I>' 2+' +3+#+ #"' +G' "' /"3+#-"' *+-1 # 0' '"-3+- +-' ' 0' 2+' 94+' 0' *"' +202+' 2+* /-0**+' 0*' ;"1 '0*(94+' -0"' +#0 .' 02 . 4 *$#0' 20*' ,"# 1 " . +-*' :0; 1 $02"*

" ' ' '0*"(94+($+-2"' 0' *"' +202+' #+,#+*+-$02"' 0"' /"3+#-"' 0' -' 2 *,+-*0; 1 202+' 2+' *+' 1"#-0#+ .' + +'$ 30*' 0*' 2 *,"* '"+*' 2"' #+/410' . +-$"' 2+Z7' 2+' F0-+ #"' 2+' AC7V(#+10$ 30 . +-1+' 0*' ;"1 '0*' 02 . - *1#0' 20*' ,"# ,+**"0*' -'" . ,+$+-$+*< #+*,"-2+4' "' '"-*+1:"' 2+' *042+(94+' -0"' *2' ,#"'+2+#0' >*' 3 * $0*(. 0*' 0*' "#2+-0#0' 0"*' *+-*' 2+1+/02"*

' *"' +202+' :"43+ *+' '" .' ,#42+-' 0' -0' #+*,"*$0' 094+110' ,"#$0# 0(2+'10#0-2"' 94+' *+' 0;*$ -:0' 2+' +-$#0# -0' 2+* /-0/0"' 2+' -2 3 2401 202+*(. 0*' '"-2# . 030' 0' 0**+#'0"' 2+' 94+' 0 -20' :03 0' ;"1 '0*' -0"' 3 * $020*(+' 0G 0(*+-$ # 0' -+'+** 202+' 20*' 3 * $0*' +' ;+ .' 0** .' 2+' 4 . 0' *'01 *0/0"' *+3+#0' 0' #+*,+ $"' 20*' 2#"/0# 0*(:+#;"10# 0*(+' .+#'+0# 0*

.' ,"#$0# 0' 2+' >6' 2+' . 0#/"' 2"' . +* . "' 0-"' 2 **+' "' /"3+#-"' >' *"' +202+(94+' ,"# ,0#$+' 2"' . +* . "' /"3+#-"' +*$030 .' 2020*' 0*' ,#"3 2+-' ' 0*' 1+/0+*(+' 94+' *"11 ' $0**+' +110' 2 #+'$0 . +-$+' 2"' '"-*+1:"' 2+' *042+' 0*' 94+' '"-3+- +-$+*' "**+ .

+10' ,"#$0# 0' 2+' V' 2+' . 0 "' 0, ,#"3"4' "' /"3+#-"' "*' 8 ' ' ' ' '"' . ,"*$"*' 2+' ' -'"+-$0' +' 940$#"' 0#' $ /"*

$+' +*$0$41"*' 2+3 0 .' '" . +"0# 0' *+# ";*+#302"*' 2"' 2 0' I>' 2+' F4' :"' 2+' AC7C' + .' 2 0-$+('0-2"' 0** .' #+3"/02"*(+ .' $"20' 0' *40' +8$+-Z' *0"("*' *0-'' "-02"*' + .' AC76

2' ,0**02"*' *+ *' 0--"*' ,"2 0 .' *+# 011+#02"*(*+-2"' ,# . + #0 . +-$+' '"-*41102"*' "*' . + . ;#"*' '"##+*,"-2+-1+*(+' '"-'"#20-2"' -5 **"' "*' 2" *' $+#/"*' 2"*' . + . ;#"*' ,#+*+-$+*

0*' 01$+#0/"+*(,"#2 .Z' 94+' :"43+**+' 2+' 0G+# -"*' +*$0$41"*(2+' 3+# 0 .' *+ . ,#+' *+# #+*,+ $02"*' "*' -*' +2 #+ $"*' +*$0;+1+' 2"*' -5+11+*

"*' $+# ."*' 25+*$+*' +*014"*(0' "' +202+' :0# . 0'+4$ '0' 2+' *;"0(-*$ $- 20' +.' I>' 2"' F411"' 2+' AC7D('"4' *+-2"' -$ $41020' ' ' ' '"-*+#30-2"' 0*40' *+2+(0-1 /4 202+(2 #+ $"*(2"3+#+ ' ,#",# +202+' 6' #+/01 0*

J ˢ ; 9< ˢ J

ˢ ˢ ˢ ˢ ! ˢ . & ˢ ˢ 1 0 ˢ ˢ & '. % ˢ '23 3ˢ
& ! ˢ . ˢ ' ˢ 0 ˢ ˢ 8 *
Ń 4 >
A ˢ Ś ? ˢ ,#"/#+**"ˢ 20ˢ , :0# . 0' 0ˢ + . ˢ 1"20ˢ 0ˢ *40ˢ +8$+-*0"
I ˢ Ś 42"ˢ 94+(-"*ˢ 1 . $+*ˢ 20ˢ *' +-' 0("#ˢ '"-'+#-+-$+ˢ 0ˢ *042+ˢ ,4 ˢ
;1 '0
7 ˢ Ś 4*$+-$0#ˢ +ˢ 2+ +-2+#(,"#ˢ $"2"*ˢ "*ˢ . + "*ˢ 1+/0+*("ˢ '#+2 $"ˢ +ˢ
2 /- 202+ˢ 2+ˢ *+-*ˢ . + . ;#"*
> ˢ Ś "''"##+#ˢ 094+11+* 2+ˢ *+4*ˢ . + . ;#"*(3 430*ˢ +ˢ 1:"*ˢ 94+ˢ ,0#0ˢ
ˢ 4$4#+ˢ +*$ 3+#+ . ˢ -0*ˢ ' #'4 . *$0-' 0*ˢ 2+ˢ 2+3+#+ . ˢ *+#ˢ ,"#ˢ +110ˢ 048 ˢ
1 02"*('" . ˢ 0*ˢ #+*$# ') "+*ˢ +*10;+1+' 20*ˢ -"*ˢ . +* . "*ˢ +*$0$41"*
: * ˢ ˢ >
"-*$0#0ˢ 0ˢ *"' +202+< AŚ 2+ˢ , :0# . 0'+4$ '"*ˢ 0, ,#"302"*(-0' "Z
-0+*("4ˢ +*$#0-/+ #"*Ē I Ś 20*ˢ ,+**"0*ˢ 94+ˢ $ 3+#+ -ˢ * 2"ˢ 0, ,#"3020*ˢ + . ˢ
940194+#ˢ 2"*ˢ $#+*ˢ #0 . "*ˢ 20ˢ : *$"# 0ˢ -0$4#01(+ . ˢ , :N* '0ˢ +ˢ ' : -1 '0Ē 7(Ś
2"*ˢ -2 3 2"*ˢ '"-3 202"*ˢ "4ˢ ,#+ . 02"*ˢ ,+10ˢ *"' +202+
: ˢ ˢ >
+-+ . +# $"*Ē :"-"#0# "*Ē + +'$ 3+*Ē '"##+*,"-2+-$+*ˢ -0' "-0+*ˢ "4ˢ
+*$#0-/+ #"*
: >
. ˢ 20ˢ *"' +202+Ē "4$#"ˢ 2"ˢ . "-$+, "ˢ , :0# . 0'+4$ '"
4 >
#+* 2+-$+Ē ;D ˢ + ISŚ 3 '+ ,#+* 2+-$+*Ē A Śl + ISZ *+'#+$0# "*ˢ +ˢ 3 '"ˢ
*+'#+$0# "*Ē :+*"4#+ #"Ē +ˢ 3 '+ 1:+*"4#+ #"Ē ; ;1 "$;+'0# " 0#' : 3 *$0ˢ +ˢ
3 '+ ; ;1 "$:+'0# " 0#' : 3 *$0Ē AŚ(I Ś +ˢ 7(Ś " ,+#02"#+*Ē 2 #+'$"#+*ˢ +ˢ 3 '+ ˢ
2 #+'$"#+*ˢ 20*ˢ '" . . **"+*ˢ ,+# . 0-+-$+*Ē 2+1+/02"*ˢ +ˢ *4; 2+1+/02"*
"3ˢ *ˢ $#+*ˢ '" . . **"+*ˢ ,+# . 0-+-$+*ˢ *0"ˢ 0*ˢ 94+ˢ *+ˢ *+/4+ . <
A ˢ Ś +ˢ *042+ˢ ,4;1 'X
I ˢ Ś +ˢ ( ) !
7 ˢ Ś +ˢ ' : . '0
> ˢ Ś +ˢ , :N* '0ˢ
D ˢ Ś +ˢ : *$"# 0ˢ -0$4#01
6 ˢ Ś +ˢ 2 #+ $"ˢ , :0# . 0'+4$ '"
2#0ˢ +*$0*(:03+#2ˢ 4 . 0ˢ '" . . **0"(2+-" . # 020ˢ ˢ
ˢ +$0$4$"*ˢ #+/410#0ˢ $42"ˢ 940-$"ˢ #+*5,+ $0ˢ 2ˢ 02 . **0" ll2"*ˢ . + . l
;#"*Ē 2*ˢ *4;*'# , '"+*Ē 0"*ˢ 2 #+ $"*(2+3+#+*(+ˢ ,+-01 202+ˢ 2"*ˢ . + . ;#"*Ē
2*ˢ *+**"+*($#0;01:"*(+ˢ +*$0;+1+' . +-$"*(+ˢ 4-2"*ˢ 20ˢ *"' +202+Ē 0"ˢ
. "-$+, "ˢ , :0# . 0'+4$ '"Ē +ˢ '"-$+ . ˢ 0 -01< # ˢ * * ˢ
ˢ "ˢ A AVŚ 2"ˢ 0#$ /"ˢ IVŚ +*$0;+1+'+ *+('" . "ˢ ,# -' ,1+(4 . ˢ F"#-01ˢ
2+-" . "02"ˢ ˢ ˢ ˢ ˢ

*ʼ +*10;+1+' . +-$"*ʼ 20ʻ *"' +202+ʻ *0'" "*ʼ *+/4 -$+*<

A ʻ ˇ . Oʻ *010ʻ ,0#Oʻ 0* *+**2+*ʼ 1 $$+#0# 0* +ʻ +'"-" . '0*

I ʻ Uʻ . Oʻ *+'#+$0# 0

7 ʻ Sʻ . Oʻ :+*"4#0# 0

> ʻ Sʻ . Oʻ ; ;1 "$:+'0

D ʻ Sʻ #-ʻ 0#' : 3"

6 ʻ Sʻ #-ʻ /0; -+$+ʻ 2+ʻ 1+ $4#0

V ʻ Sʻ .ʻ /0; -+$+ʻ 2+ʻ : *$"# Oʻ -0$4#01

Cʻ Sʻ . Oʻ *010ʻ 2+ʻ +8,"* '0'" 2+ʻ -*$#4 . +-$"*ʼ 2+ʻ ,;N* 'Oʻ +ʻ ': . $0(
+ʻ 2+ʻ ,#+,0#02"*ʼ ,:0# . 0'" ': . '"*

W ʻ Sʻ .ʻ F0#2 .ʻ ;"$0- '"

2" Sʻ .ʻ 10;"#0$"# "ʻ ': . '"

+,#+*+-$0#Oʻ Oʻ *"' +202+ʻ 0"ʻ /"3+#-"(+ .ʻ ;+-+ 1' "ʻ 20ʻ ,:0# . 0' 0ʻ
+ʻ + .ʻ /+#01ʻ 20*ʼ *' +-' 0*ʼ . +2 '0*(20*ʼ 0#$+*(-24*$# Oʻ +ʻ '" . . +#' "=0ʻ
-+'+** 202+ʻ 2+ʻ ";$+#ʻ $#024''"+*ʼ + .ʻ 341/0#ʻ 20*ʼ ";#0*ʼ 2+ʻ . +2 ' -0ʻ +ʻ
;"$0- 'Oʻ 2"*ʼ ': -*(+ʻ ;+ .ʻ 0** .ʻ "*ʼ ,#"24'$"*ʼ -0$4#0+*ʼ . 0 *ʼ -$+#+*Zʻ
*0-$+*ʼ 20*ʼ #+/ "+*ʼ 0* 0$ '0*ʻ

?ʻ /"3+#-"(,+10ʻ ,"#$0# Oʻ 2+ʻ Cʻ 2+ʻ 0/"*$"ʻ 2"ʻ . +* . "ʻ 0--"ʻ 2+ʻ AC7C(
1"43"4ʻ ʻ -$+#+**+ʻ 94+ʻ Oʻ *"' +202+ʻ $" . 030ʻ ,+1"ʻ 02 0-$0#0+-$"ʻ 2"*ʼ '"ʻ
-:+' . +-$"*ʼ "$+ *ʼ +-$#+ʻ "*ʼ ,"#$4/4+G+*E 0**+/4#0-2" Oʻ 2+ʻ 94+ʻ 0*ʼ *40*ʼ
#+'" . . +-20)"+*ʼ +*$030 .ʻF>ʻ + .ʻ ,0#$+ʻ ,#+3 - 20*(+ʻ 94+ʻ 41$. 0 . +-$+ʻ "#Oʻ
-'4 . ; 20ʻ Oʻ . **0"ʻ ,"#$4/4+GOʻ + .ʻ 0'04ʻ 20ʻ #02-''0"ʻ 20*ʼ ";#0*ʼ * ʻ
- '0*ʼ . 0 *ʼ -"$03+ *ʼ*";#+ʻ '"-:+' . +-1"*ʼ 4$+ *(+ʻ + .ʻ+*,+' 01ʻ 2‖094+110*ʼ
94+ʻ 3+#*0 .ʻ*";#+ʻ;"$0- '0 . +2 '0E +ʻ94+(016 .ʻ25 *$"(*+ . 0-22#Oʻ+*10;+ʻ
1+'+#ʻ 01ʻ 4 . Oʻ ; ;1 "$:+'Oʻ B-Oʻ 9401ʻ "**+ .ʻ '"11 / 20*ʼ ";#0*ʼ 2+ʻ 1 $$+#0$4#Oʻ
"# +-$01(4 .ʻ . 4*+4(+ʻ 4 .ʻ F0#2 .ʻ ;"$0- '"

Oʻ . +* . Oʻ ,"#$0# Oʻ *+ʻ . +-' "-030ʻ Oʻ #+ . +**0(2ʻ "' +202+ʻ :0# . 0ʻ
'+4$ '0(2+ʻ 4 . Oʻ -"$ ' Oʻ *";#+ʻ ,10-$0*ʼ 94+ʻ ,"2+ .ʻ $+#ʻ 4*"ʻ + .ʻ . +2 ' -0(
#+2 / 20ʻ -"ʻ 0--"ʻ 2+ʻ AC7Dʻ -Oʻ 3 110ʻ 2+ʻ +$+ʻ + .ʻ "*ʼ 2+ʻ +--0(+ʻ $0 . ;+ .ʻ
2+ʻ 01/4 . 0*ʼ ,#"24'/"+*ʼ 3+/+$0+*ʼ #+'+; 20*ʼ + .ʻ AC7Cʻ 20*ʼ 1;0*ʼ 2+ʻ 0;"ʻ
+#2+

+10ʻ ,"#$0# 2ʻ 2+ʻ A7‖ 2+ʻ 0/"/$"ʻ 2"ʻ . +* . "ʻ 0--"ʻ 2+ʻ AC7Cʻ . 0-2"4ʻ "ʻ
/"3+#-"ʻ #+ . +$$+#ʻ Oʻ "' +202+ʻ :0# . 0'+4$ 'Oʻ 01/4-*ʼ ,#"24'$"*ʼ 2"ʻ #+ -"ʻ
3+/+$01(#+'+; 2"*ʼ 2+ʻ)4 1 . 0-+ʻ ʻ "*ʼ 2+ʻ +--0(,0#Oʻ Oʻ . +* . Oʻ *"' +R
202+ʻ 0*ʼ +-*0 0#ʻ "ʻ 0-01N*0#('" . "ʻ :+ʻ ,0#+'+**+ʻ . 0 *ʼ '"-3+- +-$+(Oʻ ;+ .ʻ
20ʻ :0# . 0' 0ʻ 7"ʻ :03 Oʻ ':+/02"ʻ 0"ʻ /"3+#-"ʻ Oʻ #+10'0"ʻ 94+ʻ ,0#+' 0ʻ 2+ʻ
3+#ʻ 0'" . ,0::0#ʻ 294+11+*ʼ ,#"24'$"*E . 0*(+ .ʻ '1@+/0-2"(*'# 0ʻ #' . +11 20ʻ
2ʻ *"' +202+

ˢ ,"#$0# 0ˢ 2+ˢ Dˢ 2+ˢ *+$+ . ;#"ˢ 0'" . ,0- :"4< AS 0 #+10/0"ˢ -" . -01ˢ 2"*ˢ /"3+#-02"#+*ˢ 20*ˢ ,#"3 -' 0*ˢ 41$#0 . 0# -0*E I S '", 0ˢ 20ˢ ' #'410# ,0#0ˢ "*ˢ . +* . "*ˢ /"3+#-02"#+*ˢ +-3 0#+ . ˢ ˢ *"' +202+ˢ "*ˢ -" . +*ˢ 2"*ˢ 0ˢ '41$0$ 3"*('" . ˢ 94+#-ˢ +110ˢ 2+*+F030ˢ +-1+-2+# *+(#+'" . . +-20-2" 1:+*ˢ 0"ˢ . +* . "ˢ $+ . ,"(94+ˢ :+ˢ ,#+*$0**+ . ˢ $"2"*ˢ "*ˢ 048 1 "*ˢ +ˢ ,#"$+''0"E 7S '", 0ˢ 20ˢ ,"#$0# 0ˢ 2 # / 20ˢ 0"ˢ . 0F"# /+-+#01ˢ 20ˢ 0# . 020(,0#0ˢ -'4 . ; # "*ˢ '" . . 0-20-$+*ˢ 2"*ˢ 30*"*ˢ 2"ˢ +*$02"ˢ 2+ˢ '"-24G #+ . ˢ /#0$4 $0 . +-$+ˢ 940+*94+# ,#"24'$"*ˢ -"$03+ *(94+ˢ 20*ˢ 2 $0*ˢ ,#"3 -' 0*ˢ 3 +**+ . ˢ ,0#0ˢ 0ˢ . +* . 0ˢ *"' +202+

?ˢ /"3+#-"ˢ . "*$#030 *+ˢ + . ,+-;02"ˢ + . ˢ 94+ˢ 0ˢ "' +202+ˢ :0# . 0ˢ '+4$ '0ˢ 4* $0-0ˢ '"-*+/4 **2ˢ "*ˢ 4$+ *ˢ -*ˢ 2"ˢ *+4ˢ ,01# "$ '"ˢ -*$ 14$"E +ˢ ,"# **"ˢ 2+ +# 0ˢ 0** . ˢ *ˢ #+,#+*+-$0/"+*ˢ 20ˢ . +* . 0ˢ *"' +202+

+10ˢ ,"#$0# 0ˢ 2+ˢ AC 2+ˢ .0#) ˢ "ˢ ,+# . $$ 2"ˢ 0ˢ *"' +202+(94+(2+ˢ ," *ˢ 2+ˢ "#-+' 20*ˢ 0*ˢ ; ;1 "$:+'0*ˢ 20*ˢ #+,0#$ '"+*ˢ 2"ˢ +*$02"(+*'"1:+**+ˢ +110(-"ˢ 2+,"* $"ˢ 20*ˢ 1 3#0# 0*ˢ 2"*ˢ +8$ -'$"*ˢ '"-3+-$"*("*ˢ 1 3#"*ˢ 2+ˢ :0#R . 0' 0ˢ +ˢ 20*ˢ *' +-' 0*ˢ 0''+**"# 0*(94+ˢ :+ˢ "**+ . ˢ -+'+**0# "*ˢ ,0#0ˢ 0ˢ *40ˢ ; ;1 "$:+'0

+10ˢ ,"#$0# 0ˢ 2+ˢ A7ˢ 2+ˢ . 0 "ˢ "ˢ ,0#$ ' ,02"ˢ 0ˢ *"' +202+(94+ˢ '0ˢ 30 . ˢ +8,+2 20*ˢ 0*ˢ "#2+-*ˢ '" . ,+$+-$+*(,0#0ˢ 94+ˢ :+ˢ "**+ˢ '"-'+2 2"ˢ "ˢ(4*"ˢ 20ˢ '0,+110 3+1:0(94+ˢ *+#3 0ˢ 2+ˢ '0#-+ #"ˢ 20ˢ 0-$ /0ˢ +/#+F0ˢ 2"ˢ 0##0"ˢ 2+ˢ *;"0(,0#0ˢ 01ˢ 0G+# 30# 0*ˢ +8,+# +-' 0*ˢ +ˢ $#0;01:"*ˢ '; . '"*ˢ 0ˢ 94+ˢ :+ˢ '"-3 +**+ˢ ,#"'+2+#

+10ˢ '0#$0ˢ 2+ˢ 1+ˢ 2+ˢ 7A(2+F41:"ˢ "#0 . ˢ 8020*ˢ 0*ˢ 2+*,+*0*ˢ 1+/0+*ˢ 2"ˢ *+#3 /"ˢ ,4;1 '"ˢ +ˢ +-'0#/"*ˢ 2"ˢ +*$02"ˢ #+10$ 3+*ˢ 0"ˢ 0--"ˢ +'"-" . '"ˢ 2+ˢ AC7W AC>?

:ˢ +#0ˢ "ˢ /"3+#-"ˢ 04'$"# *02"ˢ ,0#0ˢ 2+*,+-2+# 0ˢ 940-$ 0ˢ 2+ˢ 4#-ˢ '"-$"ˢ 2+ˢ #+ *ˢ -"ˢ +-'0#/"ˢ 2+ˢ * ˢ ˢ D ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ . ˢ * ˢ ˢ ˢ ˢ ˢ ˢ ˢ

+10ˢ ,"#$0# 0ˢ 2+ˢ A6 2+ˢ 0/"*$"ˢ "ˢ "#2+-02"ˢ 7*"' +202+(94+ˢ ,#"ˢ '+2+**+ˢ 2ˢ 0-01N*+ˢ 20*ˢ 0/40*ˢ . -+#0+*ˢ 2"ˢ #+ -"(+ˢ :+ . ˢ 0** . ˢ 2ˢ 2+ˢ 01ˢ /4 . 0*ˢ . -0*('" . "ˢ 0ˢ B +ˢ " #"ˢ 20ˢ 2 **0(2+ˢ ':4 . ;"ˢ + . ˢ +-$"G+11"(+ˢ 0ˢ 2+ˢ +*$0-:"ˢ + . ˢ +;"#2"G0

094+110 20$0 *+ #+94 * $030 0G+-20 0 *" . . 0 ,0#0 +**+ . 3" $020 -0 1+ 2" "#/0 . +-$" 2+ 7A 2+ F41:"

+10 ,"#$0# 0 2+ IV 2+ 0/"*$" 2+'10#030 " /"3+#-"(94+ +*,+#030 ,#"'+2+**+ 0 *"' +202+(1"/" 94+ :+ "**+ ,"** 3+1(2 0-01N*+ 2+ " . 3+/+$01('4F0 0 . "*$#0 :+ "#0 #+ . +$$ 20 ,+10 '" . . **0" ,+# . 0-+-$+ 20* ,04$0*

. AV 2+ *+$+ . ;#" ,0#1 ' ,"4 " /"3+#-" 0 *"' +202+(94+ -5094+110 20$0 *+ +8 / 0 2" 2 #+'$"# 20 01 0-2+/0 /#0-2+ 2+ *;"0 0 ,"#/0" 2+ 3+/+$01(94+ 094+110 *"11 ' $0#0 -0 *40 #+,# *+-$0/0" 2+ C 2" . +* . " . +G

+10 ,"#$0# 0 2+ > 2+ "4$4;#" "#2+-"4 " /"3+#-" 0 $"20* 0* 04 '$"# 202+*(,# -' ,01 . +-$+ 2* 02 . - *$#0 30*(94+ ,#+*$0**+ . 0"*'" . . ** "-02"* 20 *"' +202+ "* 048 1"* + ,#"$+'/0" 94+ :+* *"1 ' $0*Z *+ . (0 ;+ . 20 0-01N*+ ': . '0 20* 2 3+#*0* 0/40*(+ 2+ "4$#"* ,#"24 '$"* . -+#0+* 2" #+ -"(2+ 94+ 0 . +* . 0 *"' +202+ +*$030 +-'0##+/020

. 20$0 2+ I6 2+ "4$4;#" +#0(,"# "#2+ . 2" /"3+#-"(#+ . +$$ 20 2 *"' +202+ 4 . 0 ,"#/0" 2+ 4#G+110(,0#0 *+# 0-01N*020(+ $#0-* . $$ 2" #+*41$02" 20 0-01N*+ 2 '" . . **0" ,+# . 0-+-$+ 20* ,04$0*

'

+10 ,"#$0# 0 2+ AC 2+ 0-+ #" " '" . . 4- '02" 2 *"' +202+(94+ *+# 0 $"#-02" + . '"-* 2+#0/0" " 94+ #+,#+*+-$030 0'+#'0 20 -+'+** 202+ 2+ '"-$ -40# 0 *+# 3"$020(-" "#/0 . +-$" ,0#0 " *+/4 -$+ 0--" +'"-" . '"(0 3+#;0 ,0#0 0 0-01N*+ 20* 0/40* . -+#0+* 2" #+ -"

#2+-"4 *+ 1:+ 94+(-" +-1#+$0-$"(- "# . 0**+ " /"3+#-" 2'+#'0 2"* $#0;01;"* 0 94+ +110 $ -:0 ,#"'+2 2"(+ 2" *+4 #+*41$02"

+10 ,"#$0# 0 2+ IC 2+ 0-+ #" " '#+ . +$$ 20 2 *"' +202+ 4 . 0 0 . "*R $#0 2+ 3+10* 2+ *+;"(,0#0 +-24#+'+# 0* 940+* *+ + . ,#+/0#0 *+/4-2" *+ 2 G 0(* ,) 4+# 0 " /"3+#-" 94+ 0 *"' +202+ ,#"'+2+* + 2 0-01N*+ 2 094+11+ ,#"24'$" -24*$# 01(+ 2+'10#0**+(*+ +1 +'1 30 . +-$+ +-$#030 -0 ,#+,0#0 /0" 20* 3+10* " 0' 2" 0#*+- "*"(+ 0$+ 94+ ,"-$"+#0 ,#+F42 ' 01 0 *042+ ,4;1 '0 B #0$030 *+ 2+ 4 . 0 ,"#/0" 2+ 3+10* 94+ $ -:0#0 * 2" 0,#+*+- $020* 0 2+*,0':" ,0#0 '"-*4 . " -0 01 0-2+/0 2" 4-':01

3 # 3

'

+10 , "#$0# 0 2+ A> 2+ F0-+ #" . 0-2"4 " /"3+ . " #+#0+$1+# * *" ' + 202+ " . 0 , "#'0" 2+ . 4*/"(94+ " 2 #+'$"# 20 01 0-2+/0 /#0-2+ 2+ *Z ;"0 , 0#$ ' , 0#0 $+# * 2" . 0-202" 0, 0-:0#('" . " 4#G+110(BO" -"#$+ 2" '0;" 2+ ' '+-$+ ' , "# 4 . ' +*, +'4102"#

) 4+# 0 " /"3+ . "(94+ 0 *" ' +202+(, #" '+2+-2" 0" +80#09 2" . 4*/" 2+'10#0**+(*+ +11+ , "2 0 '" . ' , #"3+ $" *+# 0, , 1 '02" ' 0#$+*

' #

" #+10$"# " 94+ 0 *" ' +202+ 0, #+*+-$"4 0" /"3+ . "(20$02" 2+ A 2+ F4-:"('"-*$0 94+ 0 *" ' +202+ 0-01N*0#0 2 3+#*0* 0/40* . -+#0+*

+10 , "#$0# 0 2+ C 2+ 0/"*$" +G " /"3+ . " '"-*$0# 0 *" ' +202+(94+ 3 #0 '" . ' *0$ * 0/0" " #+*41$02" 2"* *+4* $#0;01:"*E +: #0-* . $$ 4 1"4 3"#+* , +1" 2+' 2 2" G+1" '" . ' 94+ *+ 2+2 '030 0" 2+*+ . , +-:" 20* '" . ' . **"'* 2+ *+#3 /"(94+ :+ +#0#0 '" . . +$$ 20*(0** . ' '" . " 0" +*$42" + '"-:+' . +-$" 2"* ";F+'$"* 20 *40 '" . , +1+-' 0 +2+ /+#01 -$+#+**+

"/" 2+ , " * 2;+*$0 , "#$0# 0 +-'"-$#" -" ' ' 2 ' 4 . ' " ' "(0** / 02" , +1" ;0#0" 2+ 0 . , 0-:0 94+ #+/ *$0#+ ' -0 *40 -$+/#0(, "# *+# . 4 $" :"-#"*" , 0#0 4 . 0 04/4*$0 , +# ' *"-0/+ . ' + , 0#0 0 *" ' +202+ , :0# . 0'+4$ '0

0111 SS # J ' ' '"-:+'+-2"(" "4$#" 2 0(940-2" 3 * $"4 0 ;1 "R $:+'0(, +#$+-'+-$+ ' *" ' +202+(2+ 94+ 3 ' *S 6 , #+* 2+:$+(;' *+-$. +-$" 94+ 3 ' *S +"* . 0 * *" ' "* . "*$#0#0 . ' , "# -7" , "**4 #+ . ' +- " 4 . ' 4- '" 3"14 . + 20 ";#0@4 ' 4 < J " . +* . " 04/4 $2 *+-:"# . + "#2+-"4 , 0#0 94+(+ . ' *+- #+01 -" . +(#+ . +1$0 0 ' *S + *+ +8+ . , 10# '" . , 1+$+ 20 2 $0 ";#0(, 0#0 4*" 20 *" ' +202+

'

+10 , "#$0# 0 2+ I7 2+ F0-+ #" " ' '"-3 2020 0 *" ' +202+ 0 , #" '+ 2+# 0"* '" . , +$+-$+* +80-+* *";#+ 0 "1:0 2" $0;0';B '"$ 0-0 0;0 '4 . ' 94+ 0 , #"3 -' 0 2+ -/"10 , #"24G

#+$+-2 0 " /"3+ . " '"-:+'+# *+ 094+110 "1:0(, "# *40* 9401 20 2+* "*, +' 0+*(, "2+# 0 '"-'"##+# -" . +#'02" '" . ' 0* 2"* , 0 G+* +* ' $#0-/+ #"*

ˢ +$0$41"*ˢ 20ˢ *"' +202+(ˢ 2"*ˢ 940+*ˢ G+ . "*ˢ . +-'0"ˢ -"ˢ 0--"ˢ 2+ˢ AC7C(ˢ 2+1+# . -0 .ˢ -"ˢ 0#$ /"ˢ DI Z<

*ˢ 01$0*ˢ 94+ˢ :"43+#ˢ -5+*$+*ˢ +*$0$4$"*ˢ ,"2+#0"ˢ *+#ˢ ,#++-': 20*ˢ ,"#ˢ 0#1 /"*ˢ 022 ' "-0+*

.ˢ 3 #142+ˢ 25+*$0ˢ 04'$"# *0'0"(ˢ 2+$+# . -"4ˢ 0ˢ *"' +202+(ˢ -0ˢ *+*ˢ *0"ˢ 2+ˢ Cˢ 2+ˢ F4-;"(ˢ "*ˢ *+/4 -$+*ˢ 022 ' "-0 . '-$"*ˢ 0"ˢ 0#$ /"ˢ I6 Zˢ 2"*ˢ . +*ˢ . "*ˢ +*$0$4$"*<

K\ˢ A Zˢ 0**020ˢ 4 . 0ˢ ;"#0ˢ B20ˢ . 0#'020ˢ -"ˢ #'/ . +-$"ˢ -$+#-"(ˢ ,0#0ˢ 0*ˢ *+**"+*ˢ "#2 -0# 0*(ˢ "4ˢ -"*ˢ 03 *"*ˢ ,0#0ˢ 0*ˢ +8$#0"#2 -0# 0* (ˢ "ˢ 2+$+#ˢ . -02;ˢ -‖'* +ˢ 0#$ /"ˢ $+#ˢ "ˢ . +*#0"ˢ + +$"(ˢ *+ˢ "ˢ -4 . +#"ˢ 2+ˢ . + . ;#"*ˢ #+4- 2"*ˢ "#(ˢ ,+1"ˢ . +-"*(ˢ 2+ˢ *+$+ˢ ˢ 2 *,"* /0"ˢ 25+*$+ˢ \ˢ +ˢ 0, ,1 '03+1ˢ 0"ˢ '"-*+1;"ˢ 02$" - *$#0$ 3"(ˢ *+F0 9401ˢ "#ˢ "ˢ -4 . +#"ˢ 2"*ˢ '"-*+11 + #"*ˢ ,#+ˢ *+-$+*

K ˢ I Lˢ ?ˢ 2+$+# . -02"ˢ -"ˢ]ˢ 0-$+'+2+-$+ˢ ,"2+#2ˢ *+#ˢ #+'"-* 2+#02"ˢ ,0**02"ˢ 4 .ˢ 0--" Zˢ

'

"ˢ 2 0ˢ I>ˢ 2+ˢ F41:"ˢ '+1+;#"4ˢ 0ˢ *"' +202+ˢ 0ˢ 4-2+' . 0ˢ *+**0"ˢ *"1+ . -+ˢ +1"ˢ #+10$"# "ˢ 94+ˢ +-$0 ˢ "ˢ 1 2"ˢ *+ˢ '"-;+'+4ˢ 94+ˢ 0$#03+*ˢ 2+ˢ . 4 $"*ˢ '"-ˢ $#0$+ . ,"*ˢ ,#+*$"4ˢ *+ . ,#+ˢ #+1+30-$+*ˢ *+#3 /"*ˢ 2ˢ *' +-' 0ˢ +ˢ 2ˢ ,0$# 0

+4 *+ˢ 4 . 0ˢ "#0/0"ˢ 4-+;#+ˢ 2+2 '020ˢ 2ˢ . + . "# 0ˢ 2"ˢ /#0-2+ˢ ,"#$4ˢ /4+Gˢ 13+*$#+ˢ -;+ #"ˢ +##+ #0Eˢ +ˢ ,#" +# 4ˢ "ˢ ,#+* 2+-$+ˢ 4 .ˢ 2 *'4#*"(ˢ -"ˢ 9401ˢ #+*4 . 20 . +-$+ˢ 0,#+*+-$"4ˢ "ˢ +*$02"ˢ 20*ˢ *' +-' 0*ˢ -0$4#0+*ˢ +ˢ 0ˢ #+10/0"ˢ 25+110*ˢ '" .ˢ 0ˢ , ;0# . 0' 0E,#"'4#0-2"ˢ ,#"30#94+ˢ +*$0ˢ 0294 # #0ˢ F0ˢ "*ˢ "#"*ˢ 2+ˢ *' +-' 0(ˢ ," *ˢ 94+ˢ ,"**4+ˢ ,:#0*+" 1"/ 0ˢ +ˢ -" . +-'10$4#0<ˢ 0ˢ '$"*(ˢ . +$;"2"*ˢ +ˢ $;+"# 0

ˢ*"' +202+ˢ "''4,030 *+ˢ+ .ˢ 0-01N*+*ˢ . ,"#$0-$+*ˢ ** . (ˢ ,"#ˢ+8+ . ˢ ,1"(ˢ 0ˢ '" . . **0"ˢ 2+ˢ ': #0 '0ˢ 1 2030ˢ -0ˢ 0-01N*+ˢ 2+ˢ 4 . ‖ˢ+-3+-0 . +-$2ˢ 2+ˢ 0/40*ˢ 2"ˢ #+ -"ˢ . 0ˢ '" . . **0"ˢ +*,+' 01ˢ $#0$030ˢ 2+ˢ 0-01N*0#ˢ "*ˢ 3 -;"*ˢ 2+ˢ "#$4/01(ˢ -94 # -2"ˢ 0*ˢ 01* '0/"+*ˢ 2+ˢ 94+ˢ +#0 .ˢ ";F+'$"

"- -4030ˢ "ˢ . 4 $"ˢ 4$ 1ˢ $#0;01;"ˢ 20*ˢ 2 *'4**"+*ˢ 2+ˢ 2 +#+-$+*ˢ ,"-ˢ $"*ˢ . ,"#$0-$+*(

8,#+**030 *+ˢ 0ˢ '"-3 '/0"ˢ 2+ˢ 94+ˢ 0ˢ *"' +202+ˢ . +#+' 0ˢ 0ˢ +*$. 0(ˢ -0"ˢ *6ˢ 2"ˢ /"3+#-"(ˢ . 0*ˢ $0#0;+ .ˢ 20ˢ -0/0"(ˢ ˢ 9401ˢ +*$030ˢ ,#+*$0-2"ˢ ;"-*ˢ *+#3 /"*

K# #&

'

, "#$0# 0 2+ W 2+ . 0#/ "' $#0-* . $$ 0 0 *"' +202+ "* . 0 * 1 *"-/+
#"* 1"43"#+* 20 ,0#$+ 2"' /"3+#-"(,+1"' G+1"' 94+ + . ,#+/"4(+ ,+10 ,+
' 0 *' +-1) '0 94+ 2+*+-3"13+4 40 0-01N*+ 20*
2+ 94+ $#0$030 0 ,"#$0# 0 2+ 94+ 0'0;0 . "* 2+ 0G+# . +-/0"

+10 ,"#$0# 0 2+ AI 2+ 0-+ #"' " #+#0+$$ 2"' 7*"' +202+ 4 . '0
8"$+(94+ '"-$ -:0 4 . 0 ,"#/0"' 2+ /0##0 0* 2+ 4 . 0 0/40 . -+#01 0'1 020
-0 1:0 2+ T;" . 2(0 . 2+ 94+ 0 . +* . 0 *"' +202+ 0-01N*0**+ 094+110
0/40(+ 2+**+ '"-$0 2"* #+*41$02"*
$0 ,"#$0# 0 6 '"-'+; 20 -" $+# . "* . 0 * 1 *"-/+ #"* ,0#0 0 *"R
' +202+(," * 94+ +8,# . + 0('"- 0-/0 2+ 94+ +1 0 *+ ,#+*$0# 0(+ . ;+
-+ ' ; ,4;1 '"(+

? "-*+ ;"' 2+ 042+ 0301 ,+2 #0 *"' +202+ 0 0-01N*+ ' : . '"
1+/01 2"' +*$" . 0/ "' 2"' 011+' 2"' /"3+#-02"# 20 ,#"3 - ' 0 2+ :" . + +
- ' ,+("*6 0+$0-"' + . 6 " . "-$ +**"0
"' +202+ ,#+$"4 *+ 2+ ;" . /#02"' 0 0G+# 0 0-01N*+(+ ";$+3+ 0
'"-3 '/0"' 2+ 94+ -0"' :03 0 . "$ 3+ ,0#0 0$1# ;4 # "' 011+' . +-$"' 25094+11+
/"3+#-02"# 0 +-$"8 '0/0"' 2+ *4;*$0-' 0 . -+#01 "4 "#/0- '0
? /"3+#-"(,+10 ,"#$0# 0 2+ A7 2+ F41:"(
*
, ,
* 6 * *
, $ *

. I 2+ 0/"*$"' " +8,+2 20 > *"' +202+(,+1"' . - *$+# "' 20 . 0
-:0 + 1$#0 . 0#(0 *+/4 -$+,"#$0# 0F94+#+,#"24G #+ . "*$+8$401 . +-$+(
,"# . 4 $"' . ,"#$0-$+(:"-#"*0 ,0#0 "' /"3+#-"' + -0"' . +-"* #+3+102"#0
20 '"-* 2+#0/0"' 94+ . +#++ 0 0 . +* . 0 *"' +202+<
0 +-2"' "' /"3+#-"' #+*"13 2"' 0G+# +8,1"#0#(,"# -014#01 *$0*(0* ,#"
3 - ' 0* 41$#0 . 0# -0*(+ +*,+' 01 . +-$+ "* $+## $"# "* '"-$ -+-$0+* * $40
2"* -0 # '0 '' 2+-$01E + 2+*+F0-2"' 0 0 - :0 048 110#(,+1"* . "R
2+* ,"** 3+ *("* $#0;01:"* 20 ;+-+ . +# $0 "' +202+ :0# . 0'+4$ '0 4
* $0-0< 0** . "' . 0-20 ,0#$ ' ,0# 2 . +* . 0 "' +202+ :0# . 0'+4$ '0(

"' +-10-1"(6' $0"' 3 3"' "' 2+*+F"' 94+' $+ . "*' 2+' ,0/0#' 4 . ' $# ;4$"' 2+' /#0$ 20"' 0"*' 9-+' $#0;01:0 . ' ,0#0' ;+ -' 20' *' +-' 0' +' 20' ;4 . 0" 202+(94+' F41/0 . "*' *+#F4*$"' 0,#+*+-$0# 094 ' 4 . ' ;#+3+' #+* . "' 2"*' $#0;01:"*' . 0 *' . ,"#10- +*' 20' *"' +202+

' *"' +202+' +G' 4 . ' ;" . ' *+#3 /"' + . ' ,#" . "3+#' 0' '#+0'0"' 20*' +*'" ' 10*' 2+' :0# . 0' 0(+' 0' '#+0/0"' 2"' '"-*+1;"' 20' *042+' ,4;1 '0' 2"' #+ 4"' + . ' *4;*1 $4 '0"' 20' , :N* '0$4#0' . 6#

1 /+-' "4' 94+' 0' . **0"' ,"#$4/4+G0' "**+' '" . . +$1 20' 0' $#024' 0"' 20*' ";#0*' 2+' . +2 ' -0' +' , :0# . 0' 0' 2"*' ': -*

"' 2+, "* 1"' 20*' 1 3#0# 0*' 2"*' +8$, '$"*' '"-3+-$"*' +G' +*'"1:0' 2+' 1 3#"*' ,0#0' 0' *40' ; ;1 "$:+'0' +*,+' 01

"#' -* -40'0"' 2"' /"3+#-"' +G' 0' 0-01N*+' ': . '0' 2+' 2 3+#*0*' *4; ' *$0-' 0*' *4; . +$$ 20*' 0' 2+*,0': "' -0*' 01 0-2+/0*(+' 2+' ,#"24'1"*' -0$4 ' #0+*' 20*' -"**0*' ,"**+**"+*' 41$#0 . 0# -0*

" ' 0' ,# . + #0' - ' 02"#0' 20' 0-01N*+' $"8"1"/ '0(+' +#0' *+-' 10;"#0 ' $"# "' $+ . ' '"-$ -402"' 0' ,#"'+2+#' 0' +**0*' . +1 -2#"*0*' 0-01N*+*

0' ,"4'"' . +-' "-0 . "*' 0' '0#$0' 2+' 1+' 2+' 7A' 2+' F41:"' 2+' AC7W(94+' ,"G' 7 2 *,"* '0"' 2"' /"3+#-"' 0' 940-$ 0' 2+' 4 . ' '"-$"' 2+' #+ *' ,0#0' ,#"R . "3+#' 0' 0-01N*+' 20*' 0/40*' . -+#0+*' 2"' #+ -"(+' 30# +*' $#0;01:"*' ': ' . '"*(* ' ' ' ' '

-$#"*' 2 ,1" . 0*' " 1 ' 0+*' #+/ *$0#0"*(94+' 0G+ . ' :"-#0' ' *"' +202+(+' "''0* 0"' $+#+ . "*' 2+' . +-' "-0#' . 0 *' #+'+-$+*' $#0;01:"*' +' 301 "*"*' *+# , 2"4

' : '

> ' /' >

0$0' 2"' 0--"' 2+' AC7?' 0' '#+0' "' 2;+*$0' *"' +202+(94+' -0"' $+ . "*' 243 20' +#0' 9401 '0#' 2+' 3+-+#0-20(0$$+-2+-2"' 1 -";#+G0' +' /#03 202+' 2"*' -*' 0' 94+' *+' ,#", "+ ‖

' "#0#"' 0, ,#"302"*' "*' *+4*' +*$0$4$"*' ,+1"' 2+'#+$"' 2+' IW' 2+' . 0 "' 2+' AC7I‖

" . ' 940-$"' 0' "' +202+' : 10-$#", '" '02+ . '0' $+-:0' +*'+-' 01

7 ' 0++ ' "#' 789<' 5 ' $%B) *0" ' % 1 ' + , * & ' #&* $) ' +, ,%)0" 0' ' &.' ' . ' ' ' ' * ' I#) ' & ' &,0'

")$(1

(' $0 ' 7E7' 0' 7E; ' &#' #+* +, 01 ' + , * 0&' & B #' 0' & * #"0"#' "#' '%#' &#' , 0,0' +-#&,#' *0$,%)

' ' NE

. + - $ + ' " ' 0 # 0 + $ + # 2 + ' ; + - + ' 0 (+ ' ' " . " $ 0 ' 2 + 3 0 ' * + # ' " - * 2 + # 0 2 0 (' 6 ' + # $ " " ' , + ' * + ' 2 + * 1 - 0 ' 0 ' * " ' ' " # # + # ' , + * * " 0 * ' - + ' + * * $ 0 2 0 * (' , + # $ + - ' + - $ + * ' 0 - 3 + # ' * 2 0 2 + ' + ' 0 " ' N ' + 4 ' 2 + ' " . ; # 0 (9 4 + ' 3 0 " ' 4 # * 0 - 2 " " * ' # + * , + ' $ 3 " * ' + * 1 4 ' 2 " * (" 4 ' F 2 ' " * ' 4 # * 0 # 0 . E ' + ' 0 * * . ' 0 4 8 1 0 ' + ' , # " . " 3 + (2 + ' 4 # - ' # 0 " 2 " $ " ' ' 0 - $ + (9 4 0 - $ " + ' 0 G (' 0 2 4 * 0 " + ' 2 + * + - 3 " 1 3 . + - $ " ' 2 0 ' - * 1 # 4 ') 0 " , 4 ' ; 1 ' 0

5 0 9 4 ' # + * 4 1 $ 0 ' 9 4 + ' 0 ' ; + - + . + # $ 0 ' * " ' + 2 0 2 + (- * , # 0 2 0 ' , + 1 " * ' # 0 0 * / + - + # " * " * ' * + - $. + - $ " * ' + . ' ; + - + ' " ' 2 + ' ' 4 1 $ 4 # + * ' 2 0 * ' * ' + - ' 0 * ' + ' 2 0 * 1 + $ ' $ # 0 * (+ ' $ 0 " ' + - / + - : " * 0 . + - $ + ' 2 + 1 - + 0 2 0 (9 4 0 - $ " ' 2 * ' # + $ 0 . + - $ + ' " - * $ 1 4 2 0 (+ ' , " * $ 0 ' + . ' 0 - 2 0 . + - $ " < ' 0 ' ; + - + . + # $ 0 ' * " ' + 2 0 2 + (2 G + . " * (- 0 " ' + ' + * $ # 0 ' - : 0 ' 0 " 9 4 0 2 # " ' 2 " * ' + * $ 0 ; + 1 + ' . + - $ " * ' * ' + - $ ' " * (1 $ $ + # 0 # " * ' + ' 0 # $ * 1 ' " * (2 + ' 9 4 + ' * + ' #0 $ 0 ' - + * $ 0 ' " ; # 0

* ' " ; F + ' $ " ' 2 + * 1 0 ' * " ' + 2 0 2 + (+ . ' , # + * + - 0 ' 2 " * ' * + 4 * ' + * $ 0 $ 4 ' $ " * <

** * $ # ' " . ' " * ' * " ' ' " # # " * ' , " ** 3 + * ' 0 + * $ 4 2 0 - $ + * ' + ' * " ' " * ' + - + # . " *

" 3 ' * ' # + 9 4 * $ + * ' , 0 # 0 ' 0 ' , # + * $ 0 ' 0 " ' 2 5 + * + $ + * ' * " ' ' " # # " * ' * 0 " < S ' . 0 ' $ # ' 4 1 0 ' - 0 ' - 3 + # * 2 0 2 + ' " 4 ' - " ' 1 N ' + 4 ' 2 + ' " . ; # 0 E I S ' 0 1 $ 0 ' 2 + ' . + " * (* + / 4 - 2 " " F 4 G " ' 2 0 ' 2 # + ') 0 " (2 + 3 2 0 . + - $ + ' - " # . 0 2 0

I ' S ' # + * $ 0 # 0 4 8 1 " ' 0 ' . 0 - ' + ; " * 2 * $ - ' $ " * ' , " # ' 3 # $ 4 2 + * ' + ' $ 0 1 + - $ " (. 0 $ # ' 4 1 0 2 " * ' - 0 ' - 3 + # * 2 0 2 + ' 4 ' - " ' 1 N i + 4 ' 2 + ' " . ; # 0 (9 4 + ' * + . ' ' 4 1 , 0 ' * 4 0 ' * + ' 0 ' : 0 # + . ' -+ * , + # 0 2 0 . + - $ + ' 0 1 $ " * ' 2 + ' . + " * ' , 0 # 0 ' ' " - $ - 4 0 # + . ' * + 4 * ' + * $ 4 2 " *

" 3 ' 0 # 0 ' 0 ' , # + * $ 0 / 0 " ' 2 5 + * $ + * ' * " ' ' " # # " * ' + ' - + ' + * * 0 # " < @ S ' . 0 $ # ' 4 1 0 ' - 0 ' - 3 + # * 2 0 2 + ' " 4 ' - " ' 1 N ' + 4 E I S ' 0 1 $ 0 ' 2 + ' . + " * ' , 0 # 0 ' ' " - $ - 4 0 # + . ' " * * + 4 * ' + * $ 4 2 " * (' " . , # " 3 0 2 0 ' , " # ' 0 $ $ + * $ 0 2 " * ' 2 0 * ' # + * , + ' $ 3 0 * ' 0 . 0 # 0 * ' . 4 ' - ' , 0 + * (+ ' , " # ' - " # . 0 / ; + * ' , 0 # $ ' 4 1 0 # + * ' 9 4 + ' 0 ' 2 # + + / 0 " ' 2 + 3 + ' , # " ' 4 # 0 # E 7 S ' , # " ' + 2 . + - $ " ' # # + , # + : + - * 3 + 1 E > S ' $ 0 1 + - $ " + ' 0 , , 1 ' 0 / 0 " ' - 0 " ' 3 4 1 / 0 # + * (2 + 3 2 0 . + - $ + ' ' " . , # " 3 0 2 " *

7 ' S ' ' 4 2 # (* + / 4 - 2 " ' 0 * * 4 0 * * " # / 0 * (0 * * - + ' + * * 2 0 2 + * ' 2 " * ' ; 0 ' : 0 # + * " # . 0 2 " * (1 ' + - ' 0 2 " * (+ ' 2 " 4 $ " # + * (# + * 1 2 + - $ + * + . ' " . ; # 0 (9 4 0 - 2 " ' 0 ' # + . ' + . ' . * + # 0

" 3 ' ' - + ' + * * 0 # " < A S ' 9 4 + ' " * ' , # + $ + - 2 + - $ + * ' * + F 0 . ' . + . ; # " * ' 2 5 + * $ 0 ' * " ' + 2 0 2 + Z E I (S ' , # " ' + 2 . + - $ " ' # # + , # + : + - * 3 + 1 E 7 S ' 9 4 + ' + * $ + F 0 . ' , : N * ' 0 ' . + - $ + ' . , " * * ; 1 $ 0 2 " *

' &' $ # & & 0 & ' ' % # ' $ " # 1 ' & # ' & * &' & 0 ' # & , % " 0 + , # & ' 1 0 , *%) 0 " &' + 0 ' ? + 3 2 # & " 0 " # ' %' + ' /*#%' " # ' 1 B 0 ' B 0 * (0 # &' 5 1 0 " &') * # + * 0 " &' " %, #& ' # ') # + , # & ' # 1 ' ' % 0 + , ' $ # , # + * # # 1 ' 0 ' ? + 2 # & " 0 " #

* 2 >

A U "* 94+ ,#0$ '0#+ . 0'' "+* . . "#0+* + +*'0-201"*0*E I S 0"* 94+ #+94+-$0#+ . '0*0* 2+ F"/"(" 1"/0#+* 2+ #+'"-:+' 20 2+30** 20"(+ '"##4,/0" . "#01E 7S 0"* 94+ ,+#2+#+ . "0--" *+ . '04*0 F4*)'020 ,+#0-1+ 0 2 #+''0"

8 * >

03+-2" + . '" #+ 2 -1 + #" 94+ +*'+20 0* 2+*,+*0* "#2 -0# 0* 20 *"' +202+(,"2+# *+# * * , 2 ";*+#302"* "* # /"#"*"* #+94 * $+* 94+ 0$#0G 1+0 . 0,"-$02"*(0G+-2" *+ "* + . ,#+*$. "* *";#+ ,+-:"#+*(94+ *+#0" /40# 202"* -" '" #+ 20 *"' +202+("4 ,#+'+2+-2" 0-'0 2"-+0 2020 ,+1"* ,#+$+-2+-$+*(103#0-2" *+ 0**+-$" -" 1 3#" 20* 0'$0* 5)40-2" 0 *"' +202+ 1 3+# 01/4-* 4-2"* 2 *,"- 3+ *(#0$0#0 2+ > '" . "(4 . 0 '0*0 2+ *042+(+ 4#-' '+ . $+# " ,0#$ '410#

* 094 (-"* $+#. "* 2"* +*$014$"*(, * * > A S #+*$0'"+* . +-*0+* 2+ *"' "*(";# /01"# 0* + 3"14-$0# 0* I S 4;* 2 +* *"11 ' $02"* 2+ "4$#0* ,+**"0*(+ '"#,"#0)"+*

/ + '"- 102" 0 4 . 0 2 #+''0"('" . ,"*$0 2+ ' -'" . + . ;#"*(+1+ $0 0--40 . +-$+ ,+10 0**+ . ;160 /+#01 . 2"* . + . ;#"* 20 2 #++/0" *+#2 *+ . ,#+ +1+ 1" 25+-$#+ "* . + . R ;#"* 2" '"-*+1:"| 20 # '" . 10-$" 94+ *+F0 *"' " 25+*$0 *"' +202+

"3 "' +202+ :10-$#", '" '02+. '0(+ 0 '02+. 0 #0 . 0R $ '0(0 -20 94+ -2+,+-2+-1+*(*"''"##+. *+ . 4$40 . +-$+ ,0#0 " . +1:"# 2+*+ . ,+-:" 2"* *+4* #+*,+'1 3"* -*Z

"#0 "* 3"/0+* "#2 -0# +* 20 2 #++/0"(:0 2+G 3"/0+* +8$#0"#2 -0# "*('" . 0 2+-". -0/0" 2+ 94+ $++ . 0 *+4 '0#/" *"11 ' $0# *"''"##"*,0#0 0 *;+ +202+E 3 * 10#(20 ,0#$+ 25+110("* +*$420-$+* + *"' "* +- +#. "*E - "##00# *+ 2+ *40* -+'+** 202+* + #+94+#+# 0 2 #++/0" "* *"''"##"* 94+ :+* "#+ . -+'+**0# +*E + ,#+*$0# 1:+* "* *+# 3/"* ,"** 3+ *

0 '"-$0 94+ (0 2 #++/0" 0,#+*+-$"4 2 0**+ . ;1+0 /+#01 + . IC 2+ 0;# 1 2+ AC7I '"-*$0(94+ -" 0--" 1-2" + . 7?2+ 0;# 1 2+ AC7A 1+0#0 + . '" #+ 4 . *012" 2+ 77VFeW?7 #+ *(0 03"# 20 *"' +202+

"43+' 2+, " *' 0' #+'+ $0' +8$#0"#2 -0# 0' 2+' V6 6V? #+ *(,#"24'$"' 1 94 2"' 2+' 4 . ' ;0GO#E' +' 0' 2+' I??FDB??? #6 *(2"-0$ 3+' 20' #0 - : 0(0' *+ ' - : "#0' ' 0# 0' (+*, "-$0-+0' +' /+-+#"*0 . +-$+' + $"' , "#' "''0* 0"' 20' *40' 3 * $0' 0' " . ;#0' +' '' - 3+#* 202+

' +*1+' 41$. "' #+*, + $"' 2 G 0' 0Z 2 #+''0"< K ' #+'"#20/0"' 2:+*$0' $0"' . ,#+3 *$0' 940-$"' 0 "#$4-020' 3 * $0' *+#D' *+ . ,#+' /#0$0' 7 . "' 202+' 0'0 ' 2+ . '0(+' +*, +' 01 . +-1+' ' -"**0' *"' +202+('4F"*' . + . ;#"*' F0 . 0 *' 2+ ' 80#0"' 2+' :+ $# ;4$0# 0' . 0 *' , 4#0' 2+2 '0'0"' +' #+*, + $"' , "# $0"' 04*$"' . "$ 3+' ' 2 #+''0"(1+1' -$+#, #+$+' 2"*' 1+0+*' *+-$. +-$"*' 2+' $"2"*' # *"' "*(" ‖ . . +2 0$0 . +-$+' *, 11 ' 10# 0' :"-#0(94+' "; $+3+(2+' ; + F0# 0' . 0"' 0' ' ' 0' 0 - : 0(+ . ' * / -01 2"' *+4' 0/#02+' . +-1"(+' "' #+'+; 20' , "# ' ' '" . ' 0' 0 0; 1 202+' 94+' $0-$"' 0' 2 *1 - /4+ . S

' /#0$"' 3+# 0**"' 020' 0' -*$ $4 '"+*' 2+' 114*1#020' ;+-+ '+-' 0' 0*' , +**"0*' 2"*' *"; +#0-"*' 2"*' , "3"*1

'"4' +#0' '0 80' , 0#0' ' 4$4#+' 0- -"' ' *012"' 2+' DA>B AWD' #+ *'

+ . "*' 0 -20' 0' *0$ * 0'0"' 2+' . +-' "-0# 0' '"-$d ' '"##+-$+' 20' 2 R #+''0"(20' 20$0' 2+' AD' 2+' 0-+ #"' 2+' ACDD(#+10$ 30' 0"' , +# "2"' 94+' 2+' '"##+0' 2"' . +G' 2+' . 0#'"' 0' 2+G+ . ;#"' 2+' A D>'

+3+' 0' *"' +202+(-5094+11+' , +# "2"('" . , #+: +-2+-2"' ' *012"' 94+' '0#0' 2"' 0- -"' 0-$+'+2+-$+(0' #+'+ $0' 2+' CV> D 16? #6 *(+' 0' 2+*, +*0' 2+(>CD DADAD' #+ *E' '0-2"' +-' '0 80' -"' 2 0' 7A' 2+' 2+G+ . ;#"' 2+' ACD>' ' *012"' + +'$ 3+' 2+' 7CC DA6>D' #+ *

/4#0#0' +-$#+' 0*' 3+#; 0*' 2+' #+'+ $0(‖ 0 2#0' 0*' +8$#0"#2 -0# 0*(' *012"' 2"' 0- -"' 0-$+'+2+-$+(' ,#"24'$"' 2+' # 0*(2+' . +-*01 202+*' 2+' *"R ' "*(2+' +#0, #+*$. "*' #+*$ $4 2"*(+' ' ,#"24'$"' 2+' 4 . 0' 202 30

0"' 2; F+'$"' 20*' 2+*, +*0*< 0*' . +G020*("*' +#0, #+*$. "*' /#014 $"*' +' "*' /0*$"*' 2"' +8, +2 +-1+

+ . "*' + . , +-: "' + . ' 0** / -0 ‖0# ; + . ' 0*' +8'+11+-' 0*' 2:+*$0' *"' +202+(+' 0*' . 0 *' 94+' . 4 $"' 1"4303+ *' K2 *, "* '"+*' 2"*' 9-+' +*$0"' 7 #+-$+' 20' *40' /+#+-' 0

:+*$+' *+-$ 2"' " +#+'+ . "*' > '"-* 2+#0'0"' 2"*' 1+ $"#+*' 0' . + . "#0 ' 3+1' #+, #+*+-$0'0"' 94+' > '0 . 0#0' +1+'1 30' +1+3"4' 0 2 #+''0"' 20' *"' +202+(+ . ' AC67(, +2 -2"' 94+' "*' +* ‖420-$+*' , "; #+*' 20' - 3+#* 202+(*4; * 2 0 ' 2"*' '" . ' , #+*$0'"+*' . +-*0+*("**+#0' *+-$"*' 20' 2+*, +*0' 20' '" . , #0' 2+' 1 3#"*' +' 2"' , 0/0 . +-$"' 20*' . 01# '410*

d' 2+' *' . 4 $"' #+''#0 . +-203+1' ' , +2 2"' 20' 2 #+''0"' 20' *"' +202+E' . 0*' $0 . ; +#0' -"*' -$+#+**0 . ' . 4 $"' 0*' 011+/0'"+* 94+' 0' #+, #+*+-$0'0"' '"-$+ . (, "# 20#+ . ' -"$ ' 0' 2"' +*102"' 20' *"' +202+(+' 2"*' 0, #+' 03+ *' *+-$. +-$"*' +' 2+2 '0'0"' 2"*' /+#+4$+*' 20' . +* . 0' ; +-+ . +# $0' 0**"' 0'0"

' 0 #+,#++-10'0"<

+-:"#+*' 2+,4$02"*' 20' 0/0"' ,"#$4/ +G0 J ' 2 #+'/0"' 20' "' +' 202+' 1 10-$#"," '02+. '0(+.' -" .+' 2||+*$0' *"' +202+(' +' . 0 *' ,0#$ ' '410# .+-$+' -"' 2%094+11+*' 2%+-$#+' "*' *"4*|| .+#0;#"*' 0 '94+#-' +110' *+#3+' 2+' ,#"1+''0"(0 .,0#"' +' 940*' 4- '"Z 0## #0"' -"' ,#"*+/4 .+-$"' 20' *40' '0##+ #0' 1 1$+#0# 0(3+.' +*,+#0-'020' -0 F4*$ '0' 20' *40' *4,,1 '0' #0,1"' #0# 0 '"-''**0"' 2+' 4 .' ;+-+ 1' "' 0 $"2"*' "*' #+*,+ $"*' 2 /-"' 2+' 03"# +' 0''1; .+-$"

' "' +202+ ; 10-$#", '" '02+. '0(+*10;+1+220' -%+*10' ' 202+':0' ,"4'"' . 0 *' 2+' 2+G' 0--"*('"-$0' +-$#+' "*' -";#+*' +' 1"4303+ *' -*' '" .' 94"' "#0' -*$ $4 20("' 2+' *4;* 2 0# .+-*01 .+-$+("'''##+-2"' 0 *40' *4*' 1+-$0 0"(094+11+*' +*1420-1+*(94+(+*$0-2"' . 0$# '4102"*' -%+*$0' - 3+#' * 202+' "4' -"' 1N'+4(+' .+#+'+-2" "' ,"#' *+4' $01+-1"(0,,1 '0'0"' +' 3 #' $42+*(*+' 0':+#0' -+*,+#020 .+-$+' B-0' ,:#0*+' 2"*' +*$0141"*' ' * ' ' 01$"*' 2+' .+ "*' ,0#0' '"-1 -40#+ .' "*' *+4*' +*$42"*

K 0-'+;"*' ,";#+*' +' *+.' #+'4#*"*' ,0#0' "'''##+#+.' 2*' 034 020*' 2+*,+*0*(94+' 2+. 0-20 .' "*' +*142"*' -%+*$0' - 3+#* 202+(,+94+-"' +',"#' 3+-$4#0' -4$ 1' :+* *+# 0 "' 4;* 2 "' 20' -"**0' *"' +202+(*+' +110' -0"' $"' . 0**+' *";#+' *' $0 .;+#0' "' *01 * 0G+#' ,"# +11+*' "*' 2 #+ $"*' . ,"*$"*' *";#+' || 0 #+94+-' 0' 20' - 3+#* 202+' + .' . 01# '410*(3+#;0' +*$0(94+' 24#0-$+' 0' /+#+#+-' 0' 20' 2 #++ 0"' 94+' -"*' ,#+'+2+4(. ,"#$0' ,0#0' *+$+' ,#+*10' "-0' 2"*' -0' 940-$ 0' 2+' A67 D86C? #+ *(*+-2"' 0 #+'+ $0' /+#01' 24#0-$+' 0 .+*' . 0' /+#+-' 0' 2+' 6C> D06?D' #+ *% 2+' *"#$+' 94+' 0*' . 0$# +410*' 2"*' *+$+' ,#+*' $0' "-02"*' 20' *"' +202+' 0;*"#3+#0 .' 940*' 4 . 0' 940#$0' ,0#$+' 20' *40' #+R '+ $0(-0' 9401' +' 2+' -"$0#(0341$0 .' -0"' ,+94+-"*' 2"-0$ 3"*' +8$#0"#2' -0# "*' 94+' -+.' *+ . ,#+' *+' #+01 *0 .(+' *+.' "*' 940+*' 0' #+'+ $0' /+#01' 20' *"' +202+' 2"' 0--"' ,0**02"' '0# 0' #+24G 20' 0 $#+*' 940#10*' ,0#$+*

K %+*$+',+94+-"' 9402#"' *+' 3+' 940"' 1 . $02"*' *0"' "*' #+'4#*"*' 2%+*$0' *"' +202+(+' $00' ,0#'"*' 94+' 2+' 1"2"*' "*' -*' 0 94+' +110' *+' ,#",4-:0' *6' +*$+' *+' $+.' ,"2 2"Z +30# 7+8+'4'0"

K "203 0' $0"' -";#+' .' 6 +*$+' +' 10"' 30-10F"*"' . +* .' "' ,0#0' "' +*' $02"' +' ,0#0' 0 -0 "(,"#94+' $+-2+' 2 114*$#0'0"' 2+' . 0-'+;"*('4F"' $0' 1+-$"(0,,1 '0'0"' +' 0,#"3+ $0 .+-$"' ,#"302"' +.' '4#*"*' +' 0410* 94+' :0"' ,+#'"## 2"(+' -"*' 940+*' ,"# **"' :0Z;+.' 4-2020* +*,+#0- 0* 2+' ,"2+#+.' 4.' 2 0' *+# 4$+ *' 0 *' +-' 0' +' 0 *40' ,0$# 0(94+' +*$0' *"' +R 202+' F41/0' ;+.' . +#+' 2"*' $"2"*' "*' *0'# ' "*' 0 94+' *+' 3"$0(,0#0' 1+30# 0 '0;"' 0 +-'+$020' '0##+ #0' 2+' $0"' +*,+#0-X"*"*' . 0-'+;"*(0-$+,"-2"' 0$+' +*$+' ,#"3+ $"*"' +' -";#+' 2+3+# 0 $"2"*' "*' "4$#"*' -* 20' *"' +202+(2+' +-$#+' "*' 940+*' 01/4-*' :0' 2+' 30-$0/+-*' . 0 *' .#0+2 0$0*' ,0#0' "' /+#01' 2+' *+4*' . + . ;#,*('"#0"' +-$#+' "4$#"*' "' *"' ''"##"' . 414"' + .' *40*' 2"+-/0*

K ** #0(*+- : "#+*(0 2 #+' '0"' 25+*$0 *"' +202+(3+"2"' , "# 4 . ' 102"' "* ,+9-+-"* #+'4#*"* 2+' 94+' 2 *, "+(+' 0$$+-2+-2"' , "# "41#"' 102"' 0 9-+' "* '0,+110+*' 20 - 3+#* 202+' B1"/0#+*' 202"* 940*' *+ . ,#+' 0 +*$420-$+*' '1+# /"*' 01+ . ' 2"*' +#0"14 . +-$"*' ,#", # "*' 94+' #+'+;+ . ' *0"' *+-$"*' 2"' ,0/0 . +-$"' 2+' 1 3#"*' +' . 0$# '410(+' *+-2"' '+#$"' 94+' "*' +*$420-$+*' *4;Z' * 2 02"*' '" . ' ,#+*$0/"+*' . +-*0+*' ,"# +*$0 *"' +202+' -0"' *0"' . +-"*' 2 ' /-"*' 20 ,#"$+'/0"' 20*' 1+ *(F0 ,+10 *40 ,";#+*0 +' ,+1"*' *+4*' 2"$+*' - ' $+11+'$40+*(0$$+*102"*(,+1"*' *+4*' 2 ,1" . 0*' 2+' 2 *1 -') 0"' ";$ 2"*' 20*' #+*,+'$ 30*' 0'41202+*<' ,"# $"2"*' +*$+*' #0"$ 3"*' 0 2 #+'/0"' 20 "' +202+' : 10-$#", '" '02+ . '0 3+ . ' . ,1"#0# 0 03"# 2"*' +*$420-$+*' ,";#+*' +' 94+' #+94+-$0#+ . ' 0 - 3+F* 202+(*4;* 2 02"*' '" . ' ,#+*$0/"+*' . +-*0+*(0 *+-/0"' 20 '" . ,#0 2"*' 1 3#"*' +' ,0/0 . +-$"' 20*' . 0$# '410*(;+-+ '1"' +/401 0"' 94+' /"*0#0 "*' '0,+110+*' 20 - 3+#* 202+

K ' 114*$#020 '0 . 0#0 2"*' 2 /- ** . "*' 2+, 4$02"*' 0 94+ . ' #+'"##+-0"*(0'11 . +-$+' '"-:+'+#2 94+' 0 '"-'+**0"' 25+*$+' ;+-+ ' "' 0,+-0*' . ,"#$0#0 ' ,0#0 "' +*$02"' 4 . 0 2 . -4$ ** . 0 2+*,+*0 94+' ,0#0 "*' *+1+' ,#+*$0' " ' -02"*' -0"' +8'+2+#0 0 II? ??? "4' I7? e0??? #+ *(2+*,+*0 +*$0 94+' $+-' 2+-2"' 0 114*$#0'0"' 2+' F"3+-*' 2+' #+'"-:+' 2"' 101+-$"' +' 0, ,1 '0'0"(-0"' * /- '0# ' 4 . ' 2+*,+#2 ' "' 2"*' 4-2"*' ,4;1 '"*

' K $$+-2+-2"' . 0 *' 0 94+' -0"' ,+94+-0*' *4;3+-'"+*' *+' 3"10 . ' ,0#0 +*$420-$+*' 2+' #+'"-:+' 2"' . +#+' . +-$"' #+ . ' #+94+-$+# 6#0 2"' #+ -"' '4#*"*' *4,+# "#+*(*4;3+- "+*' +*$0*' 94+' "' ,4;1 '"' "1:0 '" . "' F4*$0*' +' . +# $"# 0*(+' 2+3+-2"' $013+G +**+*' '4#*"*' +1+ . +-$0#+*' "4' ,#+,0#0$"# "*' 25094+11+*' *+# ,# . + #0 . +- +' 0- . 02"*<

K "# $"2"*' +*$+*' . "$ 3"*' 0 2 #+''0"(. ,1"#0-2"' "5 ;+-+ ' "' 2 $"(+*,+#0 20 2 /- ** . 0 '0 . 0#0 2"*' *+-:"#+*' 2+,4$02"*' 0 *40 '"-'+*R *0" P

0**02"*' , ' i ' "' ,#" . 41/020 4 . 0 1+' BA?' 2+' 0;# 1' 2+' ACVC ' 94+' 2 *,4-:0 "' *+/4 -$+<

' W 0"' 2 *,+-*02"*' 2"*' . , "*$"*($0-$ ' 20 . 0$# '410 '" . "' 20*' '0#$0*' 2+' ;0':0#+1' +' 2+' "# . 0$4#0 ,+10 - 3+#* 202+' 2+' " . ;#0("*' 014 . -"*' 94+' "#+ . ' *4;* 2 02"*' ,+10 "' +202+' : 10-$#", '" '02+R . '0 2+' " . ;#0

' I S ?' ;+-+ 1' "' 2+' 94+' $#0$0 "' 0#$ /"' 0-$+'+2+-$+' *+#2 4- ' '0 . +-$+' 0, ,1 '03+1' + . ' '020 0--"' 1+'$ 3"' 0 3 -$+' +*$420-$+*' ,#+ . 02"*' '" . ' 0''+**0$("4' '10** '02"*' 2 *$ -'$"*' ,+10 #+*,+'$ 30 '"-/#+/0/0"' -"' 0--"' 0-$+# "#(+' 94+' $ 3+#+ . ' 01+ . ' 25 **E' - "# . 0/0"' 2+' +8+ . ,10# ,#" ' '+2 . +-$"' ,0**020 ,+1"' #+ $"#

/' . & ! ' . & ' '&. ' ' '. &' '5. ' ' !0 '& '!

J ˢ ; : 7ˢ J

25+*$+ˢ 0#$ /"(+8'+2+#ˢ 0ˢ 3 -$+("ˢ '"-*+1:"ˢ 2"*ˢ 2+'0-"*ˢ 2+* /-0# ˢ "*ˢ 94+ˢ 2+3+ -ˢ *+#ˢ ,#+ +# 2"*

+#+ . "*ˢ 0 -20ˢ "''0* 0"ˢ 2+ˢ 0110# 25+*$0ˢ *"' +202+(+ˢ +-10"ˢ ,"2+ˢ #+ . "*ˢ 0,#+*+-$0#ˢ . 0 *ˢ 01/4 . 0*ˢ ,0- '410# 202+*ˢ -$+#+**0-$+*Z

9- ˢ *"#0+-$+ˢ -"*ˢ '4 . ,#+ˢ +8,#+**0#ˢ "*ˢ 3"$"*ˢ 94+ˢ 0G+ . "*ˢ ,0#0ˢ 94+ˢ F2 . 0 *ˢ *+ˢ 0,0/4+ˢ "ˢ *0/#02"ˢ "/"ˢ 20ˢ ;+-+ '+-' 0ˢ 94+ˢ ,01#"' -0ˢ "ˢ $#0;01:"ˢ -$+11+'$401ˢ 2+*301 2"Eˢ +,0#0ˢ 94+ˢ 6*ˢ ;+-+ 1' "*ˢ #+'+; 2"*ˢ *+F0 . ˢ . 0 *ˢ $0#2+ˢ ,0/+*ˢ '" . ˢ 301 "*"*ˢ *+#3 /"*ˢ + 1"*ˢ 0*ˢ 1+1$#0*(0*ˢ *' +-' 0*(0*ˢ 0#$+*

>ˢ ˢ ˢ / ˢ

*$0ˢ *"' +202+ˢ "ˢ 4-2020ˢ + . ˢ *;"0ˢ -"ˢ 0--"ˢ 2+ˢ ACIIEˢ *4*,+-*0ˢ +#0ˢ . 0 "ˢ 2+ˢ ACI>Eˢ #+*10;+1+' 20ˢ +#0ˢ ACI6Eˢ 2 **"13 20ˢ +#0ˢ "414;#"ˢ 2+ˢ ACICEˢ #+*$04#020ˢ + . ˢ AC7>

1$+#-01 30*ˢ *0"ˢ +*$0*ˢ 94+ˢ *+ˢ 68,1 '0 . ˢ ,+10*ˢ 20ˢ 1 ;+#202+ˢ +#0ˢ "#R $4/01ˢ ˢ "' +202+ˢ #" . "$"#0ˢ 20ˢ -24*$# 0ˢ 0$ "-01ˢ 2+18030ˢ 2+ˢ +8 *$ #ˢ 2+*2+ˢ 94+ˢ 3"1$030ˢ "ˢ 0;*"14$ * . "

5+110ˢ 2+ . "*ˢ -"1 ' 0*ˢ -"ˢ $" . "ˢ 3(,0/ˢ A>Iˢ 0ˢ AD6(+ˢ -"ˢ $" . "ˢ 3(,0/ˢ ICAˢ 0ˢ ICC

0 . "*ˢ 0/"#0ˢ 0,"-$0#ˢ "ˢ 94+ˢ 2+ˢ . 0 *ˢ -$+#+**0-$+ˢ *+ˢ -"*ˢ " +#+'+('" . ˢ #+10/0"ˢ 0"ˢ ,+# "2"ˢ + . ˢ 94+ˢ #+ -"4ˢ 0ˢ *+-:"#0ˢ ˢ 0# 0ˢ

"/"ˢ ˢ 0--"ˢ 2+ˢ AC7Dˢ . 0-2"4ˢ 0ˢ *"' +202+ˢ '4-;0#ˢ . +201;0*ˢ ,0#0ˢ ,#+ . 0#ˢ "*ˢ *+#3 /"*ˢ #+1+30-$+*ˢ + 1"*ˢ ˢ -24*$# 0ˢ -0' "-01ˢ "#0 . ˢ + $0*ˢ ,+10ˢ 2 #+'/0"ˢ 2"ˢ -"**"ˢ 2 *$ -'$"ˢ 0#1 *$0ˢ " . -/"*ˢ -$"- "ˢ +94+ #0(+ˢ /#03020*ˢ ,"#ˢ 4/4*$"ˢ +#-0-2"ˢ +#0#2

+*2+ˢ "ˢ 0--"ˢ 2+ˢ AC7>(+ . ˢ 94+ˢ "ˢ #+*$04#020(. 0-20#0ˢ '4-;0#ˢ 01/4 . 0*ˢ . +201;0*('" . ˢ "ˢ . +* . "ˢ 2+*$ -"(20*ˢ 940+*ˢ +-'"-1#0 . "*ˢ 0ˢ *+ˢ /4 -1+ˢ 2+*'# ,/0"<

/4#0ˢ 2+ˢ -+#30ˢ +*,011 0-2"ˢ '"#"0*ˢ 2+ˢ 1"4#"(+ˢ 30# +*ˢ +#0;1+ . 0*ˢ 20*ˢ 0#$+*ˢ +ˢ '" . . +#' "

7 &,0ˢ ˢ ˢ ˢ ˢ ˢ ,# +ˢ 0ˢ &%0ˢ &#"#ˢ + ˢ *))#6 ˢ "#ˢ ˢ I 0%) ˢ &,0ˢ 0))ˢ 0ˢ &%0ˢ &#* #,0 0

#@0ˢ ˢ ; ˢ ˢ ? $ ˢ ˢ : ˢ ˢ ˢ $#) ˢ ˢ %6%&, ˢ #+.ˢ "#&ˢ 0 #&ˢ "#ˢ 0&, ˢ &ˢ '%0) 5 *06 #&ˢ '%#ˢ +-#&,0ˢ + ,0ˢ $ 1 &ˢ #1ˢ *0 0*,# #&ˢ ,0.ˢ) * &ˢ &0 ˢ " ˢ #&, 002#)ˢ #ˢ # %" , ˢ 0%*, ˢ " ˢ ; ˢ '%#ˢ 0) 0&ˢ #&, 1ˢ "#ˢ 0* " ˢ * +ˢ 0ˢ 0$ #* 060 ˢ '%#ˢ 5 H# 1 &ˢ + ˢ ,#@,

7 W I

ˢ +8+#/"ˢ "*ˢ -" . +*ˢ 2"ˢ 2+*+- :02"#ˢ +ˢ 2"ˢ /#F 302"#ˢ #ˢ ˢ , ˢ
(J ˢ 4ˢ ; ˢ 4
+3+#*+

5 ˢ
ˢ ˢ

ˢ (ˢ " ˢ
8 ˢ

"#"0ˢ 2+ˢ 1"4#"ˢ ,"#ˢ ' #00‖20ˢ 1+/+-20Z‖

"*ˢ 0,"-$0 . +-$"*ˢ ; "/#0, : '"*ˢ 94+ˢ 2+ˢ *ˢ ,#",# "ˢ +*'#+3+4ˢ ˢ #ˢ
#0-' *'"ˢ 2+ˢ ˢ 4 G(2+," *ˢ '0#2+01ˢ 0#0 30(1+ *+ˢ +*$0ˢ -"$ ' 0< K .ˢ
ACˢ 2+ˢ "4$4 ;#"ˢ 2+ˢ AC7Dˢ 0ˢ 0**+ . ;1+0ˢ /+#01ˢ 20ˢ "' +202+ˢ #" . "$"#0ˢ 20ˢ
-24*$# 0ˢ 0' "-01ˢ . +ˢ +1+/+4ˢ *+4ˢ ,#+* 2+-1+ˢ "#ˢ +*$0ˢ "''0* 0"ˢ Gˢ "ˢ
2 *'4#*"ˢ 20ˢ 0;+#$4#0ˢ 20*ˢ *+**"+*ˢ 20ˢ #+ +# 20ˢ *"' +202+ H
ˢ 2+ˢ '#+#ˢ 94+ˢ :0F0‖01/4 . 0ˢ +94 3"'0'0"Zˢ 0ˢ #+*,+ $"ˢ 20ˢ 20$0ˢ 2"ˢ 2 0ˢ
+ˢ . +G(,"#ˢ 940-$"ˢ 0ˢ '" . . 4- '0'0"ˢ +10ˢ 0ˢ ˢ #ˢ #0-' *'"ˢ 2+ˢ ˢ 4 Gˢ
6ˢ 2+ˢ 7ˢ 2+ˢ -"N+ . ;#"(+ˢ 0ˢ +1+ '0"ˢ 1 -:0ˢ * 2"ˢ +$0ˢ -"ˢ 2 0ˢ 0-$+'+2+-1+
?ˢ " ' "ˢ 2+ˢ '" . . 4- '0'0"(0** /-02"ˢ ,+1"ˢ *+'#+$0# "ˢ +-# 94+ˢ ˢ
-+*(+#0ˢ 0** .ˢ '"-'+; 2"<
0 8 . Sˢ +ˢ #+3 Sˢ *# J 03+-2"ˢ "ˢ '"-*+1:"ˢ 2+ˢ 2 #+')0"ˢ 20ˢ "' +202+ˢ
#" . "$"#0ˢ 20ˢ -24*$# 0ˢ 0' "-01ˢ #+*"13 2"(*+ˢ '"-3"'0**+ˢ 0ˢ 0**+ . ;1+0ˢ
/+#01ˢ 2"*ˢ *+4*ˢ *"' "*(,0#0ˢ "ˢ +1 + 1"(-0"ˢ *"ˢ 2+ˢ "43 #+ .ˢ "ˢ #+10$"# "ˢ 2"*ˢ
*+4*ˢ 0-$+'+2+-$+*ˢ #0;01:"*('" . "ˢ $0 . ;+ .ˢ ,0#0ˢ ,#"'+2+#ˢ 0ˢ +1+ /0"ˢ 2"ˢ
-"3"ˢ '"-*+1:"ˢ 2+ˢ 2 #+''0"(+ .ˢ 0$$+-'0"ˢ 0ˢ *+ˢ 0':0#+ .ˢ 30/"*ˢ 01/4-*ˢ 2"*ˢ
1"/0#+*ˢ 2"ˢ . +* . "ˢ '"-*+1:"Eˢ $42"ˢ -0ˢ '"- "# . 202+ˢ 20ˢ ' #'410#ˢ 2+ˢ ICˢ 2"ˢ
. +Gˢ ,0**02"Eˢ '" .ˢ + + 1"ˢ :"-$" . (Iˢ 2"ˢ '"##+-$+ˢ . +Gˢ 2+ˢ -"3+ . ;#"(1+3+ˢ
1"/0#ˢ 0ˢ #+4- 0"ˢ 20ˢ . +* . 0ˢ 0**+ . ;1+0ˢ -0ˢ *010ˢ 2"*ˢ 0'$"*ˢ 2"ˢ "11+/ "ˢ 2"*ˢ
";#+*Eˢ +ˢ -5+110ˢ *+ˢ 2+' 2 4ˢ 94+ˢ *+ˢ ,#"'+2+**+ˢ 4- '0 . +-$+ˢ ˢ +1+ 0"ˢ 2"*ˢ
*+4*ˢ ,#+* 2+-1+ˢ +ˢ 3 '+ ,#+* 2+-$+('"-$ -40-2"ˢ "ˢ #+*1"ˢ 2"ˢ '2-*+1:"‖20ˢ
. 0-+ #0ˢ 94+ˢ *+ˢ 0':0ˢ '"-*$ 4 2"Eˢ +ˢ ,#"'+2+-2"K*+ˢ Dˢ 3"$0 "Eˢ $+-:"ˢ 0ˢ
:"-#0ˢ +ˢ *0$ * 0/0"ˢ 2+ˢ ,0#1 ' , ,#ˢ 0ˢ Eˢ 8 Zˢ :03+#ˢ * 2"ˢ -"#0+02"ˢ ,0#0ˢ 0ˢ
,#+* 2+-' 0ˢ 20ˢ . +* . 0ˢ *"' +202+('0-2"ˢ +/401 . +-$+ˢ +1+ $"*ˢ ,0#0ˢ 3 '+ˢ
,#+* 2+-$+*ˢ "*ˢ *#*ˢ -$"- " ";"ˢ 0#;"*0ˢ +##+ #0ˢ + 8+ #0ˢ #0"(+ˢ ˢ
1 , ,+ˢ +##+ #0ˢ 2+ˢ #04F"ˢ +ˢ 0*$#" H

7 5 ˢ ˢ -ˢ ˢ ˢ* ˢ ˢ ˢ ˢ ˢ
ˢ ˢ
ˢ $ ˢ 0+%)ˢ # +0 " ˢ $#&ˢ # +0+"#&

3 ˢ #%# 3

) 40-2ʷˢ 0ˢ #+-$+ˢ 2+ˢ 0#00ˢ 0**"' 0/0ʷˢ 3+ . "*ˢ :" . +-*ˢ 2ʷˢ 101ˢ . +# $ʷˢ +ˢ . ,"#10-' 0(2+*2+ˢ 1"/ʷˢ $+ . "*ˢ ,"#ˢ '+#$ʷˢ 94ʷˢ +**0ˢ 0**"' 0/0ʷˢ +*10ˢ ;+ . ˢ '"-'+ $4020(+ˢ +ˢ 3+#202+ #0 . +"$+ˢ ,#") '40

ˢ *"' +202+ˢ $" . "4ˢ + . ˢ AC76ˢ 0ˢ #+*"14/0ʷˢ 2+ˢ +*$0;+1+'+#ˢ 4 . ˢ : ˢ ˢ ˢ ˢ ** ˢ ˢ

"#ˢ 940-$ʷˢ 0ˢ #+01 *0/0ʷˢ 25+*1+ˢ 4$ 1 ** . ʷˢ -$+-$ʷˢ 2+,+-2+**+ˢ 20ˢ + ˢ $4#0ˢ 2+ˢ 4 . ˢ '" . ,+-2 ʷˢ + . ˢ ,"#$4/4+G(02+9402ʷˢ ,0#0ˢ ʷˢ +"* -ʷˢ 2+ˢ 4 . 0ˢ 2 *' ,1 -0(+ . ˢ 94+ˢ $0-$"5ˢ 0ˢ 2+ˢ -$+#+**+ˢ ,0#0ˢ "*ˢ 0#$ *$0*(0;# '0-$+*(. +*1#+5ˢ +ˢ 2 #+'$"#+*ˢ 2+ˢ "1 ' -0*< " ˢ 2 *,+-*02ʷˢ 2ʷˢ *+#3 /ʷˢ 2ʷˢ . 0/ *ˢ $+# ʷˢ ˢ 1+-$+ˢ 2ʷˢ >S 0--ʷˢ 20ˢ 0'02+ . 0ˢ 2+ˢ "#1 '0/0"(0#1 1:+# 0ˢ +ˢ 2+*+ˢ -:"(30# *$9ˢ "*+ˢ +##+ #0(24#0-$+ˢ ʷˢ $+ . ,ʷˢ + . ˢ 94+ˢ *+ˢ "+'4,0**+ˢ '" . ˢ 0ˢ $#024'/0ʷˢ 2+ˢ 4 . 0ˢ ";#0ˢ 94+ˢ *+#31**+ˢ ,0#0ˢ 094+11+ˢ 2+*$ -"

+F0ˢ -ʷˢ $" . ʷˢ 3 (,0/#ˢ 766ˢ +ˢ 76V(0ˢ -"$ ' 0ˢ 94+ˢ 2+ . "*ˢ 20ˢ ,"#$0ˢ # 0ˢ 2+ˢ IC ˢ 2+ˢ "4$4;#ʷˢ 2+ˢ AC76(+ˢ 2ʷˢ $#0;01:ʷˢ 94+ˢ 30# *$ʷˢ "*+ˢ +##+ #0ˢ ':+/"4ˢ 0 -20ˢ 0ˢ ,4;1 ' #ˢ + . ˢ AC7V

. ˢ F41:ʷˢ 2+ˢ AC>>ˢ 0--44' 030ˢ 0ˢ *"' +202+ˢ 0"*ˢ 0;# '0-$+*(0#$ *$0*(,#",# +10# "*ˢ 2+ˢ "$ ' -0*(10;"#0$"# +*(+ˢ '4# "*"*(94+ˢ 2+3 0 . ˢ . 0-20#ˢ 2+,"* $"#(0$+ˢ 0ʷˢ 2 0ˢ I6ˢ 2+ˢ 0/"* ʷˢ ,#"8 . "(-ʷˢ +2 ' ʷˢ 2ʷˢ +8$ -'$ʷˢ '"- ˢ 3+-1ʷˢ 2"]ˢ 041 *$0*ˢ B1"'01ˢ 20ˢ *"' +202+ˢ "*ˢ 0#$+ 0'$"*ˢ 94+ˢ ,#+1+-2+**+ . ˢ 0,#+*+-$0#ˢ -0ˢ +8,"* /0"(0ˢ . ˢ 2+ˢ 94+ˢ +*10ˢ ,"2+**+ˢ 0;# # *+ˢ 0ʷˢ ,4;1 'ʷˢ + . ˢ ˢ 2 0ˢ A 2+ˢ *+$+ . ;#"

ˢ *"' +202+ˢ +#0ˢ ʷˢ "#/0ʷˢ 20*ˢ '"-3+- +-' 0*ˢ -24*$# 0+*ˢ 2ʷˢ -"**ʷˢ ,0 G(& +#0ˢ ʷˢ '+-$#+ˢ "-2+ˢ 3 -:0 . ˢ '"-3+#/ #ˢ 1"20*ˢ 0*ˢ #+'10 . 0/"+*(,0#0ˢ 0*ˢ 0G+#ˢ 301"#ˢ ,+#0"1+ˢ * ,"2+#+*ˢ 2ʷˢ +*$02"

) 40-2ʷˢ + . ˢ ACD?ˢ 0ˢ ;+-+ . +# $0ˢ **"' 0/0ʷˢ "3 1:0-+-*+ˢ #+,#+*+- ˢ $030ˢ 0ʷˢ /"3+#-ʷˢ 0ˢ 4#/+-$+ˢ -+'+** 202+ˢ 2+ˢ ,#"3 2+-' 0*ˢ ,0#0ˢ +3 $0#ˢ 0ˢ #4 -0(0ˢ 94+ˢ ʷˢ '"-$#0;0-2ʷˢ 2+ˢ 10-) ' "*ˢ :+*,0-:"+*ˢ 0##0*$030ˢ 4 . ˢ 2"*ˢ . 0 *ˢ . ,"#$0-$+*ˢ #0 . "*ˢ 20ˢ -"**0ˢ # 94+G0ˢ -24*$# 01< +-10"(2 G+ . "*(2+4 *+ˢ ,#+**0ˢ 0ˢ *"' +202+ˢ ,#" . "$"#0ˢ + . ˢ F4-$0#ˢ "*ˢ *+4*ˢ #"/"*ˢ 0"*ˢ 20ˢ #+ +# 20ˢ 0**"' 0/0"

ˢ + +-2+-2ʷˢ ʷˢ ,# -' ,1+ˢ 20ˢ ,#"$++/0ʷˢ 94+ˢ :+ˢ ,0#+' 0‖ -2 *,+-*0 ˢ 3+1ˢ ,0#0ˢ 0- . 0#ˢ 0ˢ -"**0ˢ -24*$# 0ˢ 0;# 1ˢ -0*'+-$+(2 G 0ˢ +110(+ . ˢ 4 . 0ˢ #+Y ,#+*+-$0/0ʷˢ 94+ˢ *4; 4ˢ 0** /-020ˢ ,+1ʷˢ 2494+ˢ 2+ˢ 01 . +110(ˢ +2#ʷˢ 2+ˢ "4*0ˢ "1*$+ -<

K ˢ -24*$# 0ˢ ,"#$4/4+G0ˢ ," . +/"4ˢ 4 . 0ˢ -"30ˢ +#0ˢ '" . ˢ 0ˢ ,#" . 41/0ˢ /0ʷˢ 2ʷˢ *N*$+ . 0ˢ ,#"$+'$"#ˢ '"-* /-02ʷˢ -0*ˢ ,04$0*ˢ ?ˢ *N*$+ . 0ˢ ,#"$+'$"#ˢ 6 ,0#0ˢ "#$4/01ˢ 4 . 0ˢ ;0*+ˢ *+/4#0ˢ 2+ˢ ,#"*,+# 202+(," *ˢ 94+ˢ 2+3+-2ʷˢ '#+0#ˢ -"3"*ˢ +ˢ 0341$02"*ˢ 301"#+*(,#" . "3+#>ˢ ʷˢ '""*4 . ʷˢ +ˢ . +1;"# 0ˢ 2 ‖

J ; : D J

,#+'" 2"* ,#"24'$"* 0/# '"10*) 40-2" 0 -24*$# 0 0;# 1 +*$ 3+# 0 . ,10 . +-$+ 2+*+-3"13 20(020,1020 -"**0 ,"* '0" /+"/#0, : '0 + 0* ' #'4 . *$0-' 0* '1 . 0$+# '0*(0,#"24+'0" 20 0/# '41$4#01 94+ -" ,#+*+-$+ *+F41/0 +*$0/-020(2+3+# $+# 04/ . +-$" ,0#0 *0$ * 0G+# 0 ,#"'4#0 2+ #00$+# 0* ,# . + #0* +* / 20* ,+10* 0;# '0*(;+#0 '" -" ,0#0 *0$ * 0G+# 0 ,#"'4#0 2+ *4;* *$+-' 0* +8 / 20* ,+1" -'#+#0+-$" 20 ,",410'0" ",+#0# 0

+#0"-*$#"4 94+ 0 '"- 0-/0 -0 ,+# . 0-+-' 0 20* ,04$0* B,#" . 41 /020* +#0 AC7V 2+#0 "''0* 0" 0 94+ "* '0, $0+* "* +#0 0,,1 '02"* 0 '" . ,#0 2+ . 0': -0*('4*$"*0 $#0-* "##00'0" 20* "$ ' -0*(+ 0 2+*,+ G0* '"-* 2+#03+ *+8 / 20* ,+10 '"-3+- +-' 0 2+ 0,+# + '"0#(0 $"2"* "* #+*,+ $"*("* $#0;01:"* -24*$# 0+* 0" +#0(," *(F4*$" 94+ *+ --$ 1 *0**+ . $0-$"* +* "#'"*($0#00-:"* *0'# ' "*('"#0" 2+ + $" *4''+2+# 0(*+ 20 ,0#$+ 2" /"3+#-" '+**0**+ 0 ,#"$+''0" 2+ 94+ 2+,+-2 0 " 4$4#+ 20 -24*$# 0 ,"#14/4+G0

#0 20$0 2+ AI 2+ F41:" 2+ ACD? 2 # / 0 0 *"' +202+ 4#00 #+,#+ *+-$0/0" 0 '0 . 0#0 +1+'$ 30(,+2 -2" 94+ "**+ 0,,#"302" " ,#+F+'$" 2+ 1+ 94+ " 2+,4$02" "*+ "094 #0 ",+* 2+ . 0 0,#+*+-$0#0(,0#0 94+ "* 2 #+ 1"* 2+ . ,"#$0/0" 2"* 01/"2"+* +*$ 0-/+ #"* +#0 ,+/0(94+ *+# 3 **+ . 2+ . 0$+# 0 ,# . + #0 * . 0-4 0'$4#0* ,"#$4/4+G0* 2+ +*$0 . ,0# 0 + $ -$4#0# 0(2+ 940194+# -0$4#+G0 94+ "**+#0(*+ #+*$ $4 **+ . 0"* 0 ;# '0-$+* 940-2" 10+* . 0-4 0'$4#0* +8,"#$0**+ . (,+10* 01 0-2+/0* 2+ *;"0 + "#$"(,0#0 "* ,"#$"* 2" . ,+# " 2" #0* 1("4 20* ,#"3 -' 0* 41$#0#00# -0* 2+ "#$4/01E ,0#+'+-2" 0 *"' +202+ #+,#+*+-$0-1+ 94+ +*$0 ,#"3 -+-' 0 2+3 0 0;#0-/+# $"2"* "* ,0 G+* +*$#0-/+ #"*(+#0 3+G 2+ *+# #+*$# '$0 0" #0* h

+'"-:+'+4 " /"3+#-" *+# 2+ /#0-2+ '"-3+- +-' 0 ,9;1 '0(94" 2

6

0" ,"2 0 +*94+'+# 0 *"' +202+ ,#"#0"$"#0(+ . '0*" 94+ 2+ . 0- 2030 114*$#0/0" + '"-:+' . +-$"* ' '" . + + $"(+ . ,"#$0# 0 2+ AI 2+ -"3+ . ;#" 2+ ACDI "#2+-"4 " /"3+#-" 1 *"' +202+ 94+ ,+1" . - *$+# " 2" #+ -" G **+ *4; # 4#- #+10$"# " *";#+ "* *+/4 -$+* ,"-$"*<

A S *102" 0'$401 20 *"' +202+

I S 1$+#0/0" 2+ 94+ ,"2+**+ . '0#+'+# "* +*$0$4$"*

7 S #"3 2+-' 0* 94+ F41/0**+ '"-3+- +-$+* ,0#0 " 2+*+-3"13 . +-1" + +*$0; 1 202+ 20 *40 -*$ $4 /0"

) 4 G /"3+#-" 94+ -" #+10$"# " -2 '0**+ 0*"' +202+ "* . + "* 2+ '"# #+*,"-2+# 0"* *+-* -*(+ . :0# . "- 0 '" . "* ,#+'+ $"* 94+ +*$030#0 #+ /+-2" *+#0+1;0-$+* *"' +202+* + . "4$#"* ,0 G+*

? /"3+#- 0**+/4#030 *"' +202+ 94+ ,"2 '"-$0# '" . ,#"$+' 0 25+11+(- *+-$ 2 + ,0# . 2+ 94+ +11 *+ :0; 1 $0**+ ,0# ,#+*R $0# -24*$# -0' "-01 048 + '0G 94+ 2+3 . - *$#0# 1;+

-1 . '"--+80 $+ . '" . "* 1-* 20 "' +202+ #"#0"$"#0 20 -R 24*$# 0' "-01 ,#"3 2+-' '"-$ 20 + . 4 . ,"#$0# 20$020 2+ IC 2+ -"3+ . ;# 2+ ACDI(

+'"-:+' " /"3+#- 0 -2 *,+-*0; 1 202+ 2+ ";$+# 2

"3 2 ,"# +*$ '"-3 ''0"(+ - -14 $ 2+ *+ :0; 1 $0# ,0# ,#" 3 2"-' 0# 02+94020 . +-$+ *";#+ / +-* - -24*$# 01("#2+-"4 0"* /"3+# -02"#+*' 3 * 94+ +-3 0**+ . 0 #0 - *$+# "20* ";#0* ,4;1 '0*('" . #0+# ' + -24*$# 0(- "# . 0, "+* "80'10* 0'+#'0 20 -*$#4''0 +1+ . +-$0# 2"* ",+#0# "* 20* 0;# '0* 2"* *+4* 2 *$# '$"*(-"* $+# . "* 2+ 4#- . "2+1 2+ . 0, ,0 94+ :+* +#0 #+ . +$1 2"

+10 - ' 0$ 30 + 2+1 /+-' 0* 20 *"' +202+ " 0;+#$0 0 ,4;1 '"(- 2 0 IW 2+ "4$4;# 2+ AC>W(0 940#$0 +8, "* /0 20 -"**0 -24*$# 0(. 4 $. 0 * ;# 1:0-$+ 2 94+ " $ -1 0 . * 2 0* $#+* ,#+'+2+-$+*

0 /#0-2+ *010 2 # *+- 2 #*+-01 20 0# -:0 *+ + $4"4 +*$+ 0'$"(*+-2 + . -4 . +# 2+ $#+G+-$0* 0* ,+**"0* 94+ +8, "*+#0#0 ,#"24' $"*‖ ,+*0# 2+ *+# 30*$ ** . 0 0 10 2 # *'"(':+/"4 0 01$0# +*,0/ ,0#0 0 +8, "* /0"E 2+ *"#$+ 94+ -+ . . +$02+ 20 -24*$# 0 -0' "-01 +* $030 01 #+,#+*+-$020

"-2+#"4 *+ ,"# +**+ $+ . , 94 0* +8, "* /"+* 20 -24*$# 0 ,0# 1 0 . (+ . 01/4 . 0* -0/"+*(20 - ' 0$ 30 2"* /"3+#-"*(0 ,0** 94+ + . "#$4/01 +#0 . 2+3 20* 0 - ' 0$ 30 ,0#$ '410#(+8+#' $020* ,"# 4 . 0 *"R ' +202+ 114*$#020 + ;+-+ . +# $0

" '"-* 2+#03+1 0 '"-'"##+-' 0 2 , "3 0 3 * $0# 0 +8, "* /0"(;" . * /-01 2 94+ - +*, # $ 2+ $"2"* "* ' 2020"* '010#0 ,+-*0 . +-$ ' 3 1 *02"# 94+ ,#+* 2 #0 > '+1+;#0/0 2 +*$+F -0' "-01

'"4 -0 1+ . ;#0-/0 0 3 * $0 94+ 0 #0 -;0(0 *+-:"#0 0#0 (*+4 +*, "* + 2" * 11;"*(1G'#0 . 4 . 0 2+ . "#020 + 01$+-$0 3 * $0 0 +8R , "* /0" 2 "# . +-$+ " -"$020 + 0, ,1042 20 0 /+-+#"* 202+ '" . 94+ *+ :"43+#0 . ('" . ,#0-2 2 3+#*"* ";F+'$"* -$+#+**0-$+* + '4* $"*"* 20 -24*$# 0 ,"#$4/4+G0 ,"-$0#+ . "* +**+* ";F+'$"*('" . -2 '0/0 20 30# +202+ 2+ ,#"24'$"* 94+ /4#030#0 -0 +8, "* /0"<

. 0 +1+/0-$+ + . 4 1 -20 '0##40/+ .

#- $"#- '" . ,1+$ + ,+# + $0#0+-$+ ;+ . 0'0;02"

#- 0, ,0#+1: 2+ ,#0$0 ,0#0 ' :

. 0 '0 . 0 2+ +##"

#- 0, ,0#+1: ,0#0 *010 2+ F0-$0#

. Oˢ ,01 . 0$"# Oˢ 2+ˢ "4#9ˢ +ˢ 0/01:0
. ˢ -2"ˢ 0, ,0#+1:"ˢ 2+ˢ ,"#'+110-Oˢ ,0#Oˢ ':D
. Oˢ # 'Oˢ ,41*+ #Oˢ 2+ˢ "4#" f
" *ˢ ,# . "#"*"*ˢ $0,+$+*ˢ ,0#Oˢ *", :0
#0-2+ˢ 940-1 202+ˢ 2+ˢ $0,+$+*ˢ ,0#Oˢ *010(2+ˢ 2 3+#*0*ˢ 9401 202+*
. ˢ +*$"Fˢ '" . ˢ $+*"4#0*ˢ +ˢ -03011 0*
. Oˢ . 0'; -Oˢ ,0#Oˢ '"#$0# ,01:0
4$#Oˢ ,0#Oˢ 2+;41;0# . 1:"
. Oˢ ;" . ;Oˢ ,0#Oˢ F0#2 .
?ˢ +*'# ,$"# -$+11 /+-$+ˢ +ˢ 10;"# "*"ˢ 94+ˢ 2+*'#+3+4ˢ Oˢ 0;+#14#Oˢ 20ˢ +8,"* /0"(+;0*$ 0"ˢ "*+ˢ ;+ #"ˢ 2+ˢ 7(2 **+ˢ Oˢ +*$+ˢ #+*,+ 1"('" . ˢ F4 ˢ 2 ' "*Oˢ ,"-2+#0/0"< ' "#0"ˢ 2+ +-*"#+*ˢ 2"*ˢ -$+#+**+*ˢ -24*1# 0+*('4 . ˢ ,#+ -"*ˢ '" . . + . "#0# +*$Oˢ #+01ˢ 3 * 10(,"# 9 0-1"(,0#Oˢ -"*("*ˢ #+ *ˢ *0 ˢ -2"ˢ 2"*ˢ *+-*ˢ ,0/"*ˢ ,0#Oˢ +-$#0# -"*ˢ ,0/"*ˢ + . ˢ 94+ˢ "ˢ $#0;01:"ˢ +ˢ #+ (*0"ˢ 2 /-"*ˢ 2"*ˢ 1"43"#+*(-0"ˢ *"ˢ 2"*ˢ '"-$+ . ,"#0-+"*ˢ . 0*ˢ 20ˢ ,"*$+# 202+(94+ˢ ,0#Oˢ +**+*ˢ *";+#0-"*ˢ *+ . ,#+ˢ /40#20ˢ 4 . Oˢ 20*ˢ . 0 *ˢ /1"# "*0*ˢ ,0/ "0*ˢ 20ˢ *40ˢ ; *$"# 0
"ˢ $"'0-$+ˢ 7 0,#+' 0/0"ˢ 2"ˢ 1"43"#ˢ 94+ˢ Oˢ *"' +202+ˢ '0; 0(,+1"*ˢ +* ˢ "#/"*ˢ + . ,#+/02"*ˢ ,0#Oˢ "ˢ ;" . ˢ +8 1"ˢ 20ˢ +8,"* /0"(2 **+ˢ "ˢ . +* . "ˢ ' ˢ $02"ˢ +*'# ,$"#< $ + . ˢ $+ . ,"(*+ . ˢ . + "*('" . ˢ Oˢ *40ˢ 0'/0"ˢ 1 . $020ˢ Oˢ *R ;"0< ˢ , ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ "-;+'+ . "* 94+ˢ Oˢ +8,"* /0"ˢ -0"ˢ #+,#+*+-$Oˢ B$"20ˢ Oˢ -24*$# Oˢ 2"ˢ ,0 G(. 0*ˢ - -/4+ . ˢ -"*ˢ ,"2+#Oˢ ,#"30# 94+ˢ +#Oˢ ,"** 3+1ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ , ˢ ˢ * ˢ * ˢ ,
?ˢ '"-*+1;"ˢ 20ˢ *"' +202+ˢ -"#0+"4ˢ 4 . ˢ F4#Nˢ +*,+' 01ˢ ,0#Oˢ F41/0# Oˢ +8,"* /0"
*$+ˢ F4#N(+-'0##+/02"ˢ 2+ˢ ,#" +# #ˢ "ˢ *+4ˢ F4 G"ˢ *";#+ˢ "*ˢ ,#"24'$"*ˢ 20ˢ -24*$# Oˢ ,"#$4/4+G0(2 3 2 4 *+ˢ + . ˢ '" . . **"+*ˢ +*,+' 0+* (,0#Oˢ . + ˢ ;"# *+ˢ 2+*+ . ,+-;0# 2"ˢ *+-ˢ . +1 -2#"*"ˢ +-'0#/"
* 094ˢ Oˢ 2+* /-0/0"ˢ 2+ˢ '020ˢ 4 . Oˢ 20*ˢ '" . . **"+*<
#$+*ˢ '; . '0*
+' 2"*
#$+*ˢ . +';0- '0*
+110*ˢ #$+*
?ˢ F4#Nˢ 0,#+*+-$"4ˢ 2+," *ˢ 4#-ˢ #+ 0$"-"ˢ /+#0 ('"- +-4"ˢ "ˢ #+*4 04"ˢ '"11+'$ 3"ˢ 2"*ˢ +80 . +* Oˢ 9,+ˢ ,#"'+2+#0 . ˢ 0*ˢ '" . . **"+*
ˢ 4 . ˢ +1+#0+-$"ˢ 2+ˢ -*$#4'/0"ˢ 0,"-$0# "*ˢ ,# -' , "*ˢ ,+1"*ˢ 940+*ˢ "ˢ F4#Nˢ *+ˢ #+/41"4ˢ ,0#Oˢ 0**+-$0# "ˢ *+4ˢ F4 G"ˢ +10*ˢ ,#",# 0*ˢ ,0103#0*ˢ 2ˢ+11+ˢ $#0-* . $$ #+ . "* 0"* 1+ $"#+*ˢ +**Oˢ -2 '0/0"<
Y "ˢ /#0240# "*ˢ 2 +#+-$+*ˢ ";F+'$"*ˢ 20ˢ +8,"* /0"(-0"ˢ ,"2 0ˢ "ˢ F4#N

3 #%6 3

2+ 80# 2+ 20# ,# . 0G 0 0 ,# - ' , 20 + 2+ 0 +# # '020 4 .
25+11+* ,"# +*1+ ,02#0 '"#0#04 .

1 1 202+ ,+1 4* . 0 * /+#01 + . 0 * -+'+**0# 2+ '020 ,#"24'1"

1 1 202+ ,+10 . 0 "# 940-$ 202+ 2 $#0;01: -0' "-01(94+ 0-0 #0 . 2+ 0;# '0'0 ,4-:0 + . . "3 . +-1"

1 1 202+ ,+10 . 0 "# *"#0 . 0 2+ 301"#+*(94+ 0294 # 0 "4 2+*+-3"1 3 0 - ,0 G

1 1 202+(+ .) . ('0#0'1+# *$ '0 + ,+'41 0# 2+ 01/4-* 0#$ /"*(0 9401 ,# - ' ,01 . +-1+ '"-* *$+ + . +8' $0# +-1#+ -"* 0,#+-2 G02 + +8+#' ' 2+ '+#10* ,#") **"+*(0#$+* + *' +-' 0* 94, *0 0 . 0 # G + 4-20 . +-1 2+ $"20 0 -24*1# 0

+/410# 2" *+ F4#N ,+1 ,# - ' , 20 ,0#+'+# 0 94+ -0 2030 0 2+3 20 0$$+-"0 0 ,# - ' , 2 '0-2 0** . . ,+# + $0 0 *40 [0,#+' 0/0"(,+1 0'$ 2+ +8'14 # 4 . ,#+' "*" +1+ . +-$ 2+ 0,4 #020 '# 1 '0

+-'"-$# 25+*$+ #+,0# " ,#",# F4#N(2 G+-2"< 0 +/410- 2" *+ ,+1 ,# - ' , 20 4$ 1 202+(2+ -+-:4#0 . "2 ,#+$+-2+4 F4#N ,#"'+2+# ,"# *4//+*1"+* 2+ +8'14*0 + 0-$0/"- * . " 0 94 G +8'14 # ,# - ' , 2 ;+11"(94+ . +* . -"* 0#1+* 4$+ * + 4 . 0 '"-2 /0 0**0* 0$ 1+-2 3+1 +1+/0-' 0 20* "# . 0*(+ 2+1 '02+G0 20 . 0 2+ ";#0 -0 , " 2+ . (+ . #04 1"* '0*+*(2 1 +#+-/0# *+ ;' . 20 . +#0 4$ 1 202+ 2"* ,#"R 24'+* $+ -0* ;+110* 0#$+*(94+ $0 . ;+#0 " +#+'+#0 . 0 +8,"* /0 *+4 $# ;4$+ 2+ 0#$ /"*(0/#0203+1 "4 *4;1 . + B94+ '"-*$ $4+ . . +# $ +*'+-' 01 25+11+* + *+4 3+#202+ #" ,"-$ 2+ '" . ,0#0/0" J 0-20 . *+ . ,#+ +-'0#-02"* + . ,#"24'+* 0-$+# "#+* 20 -24*$# 0(+ . +1+ . +-$"* 4$ 1 $0# "* 2+ $#0;01:" H

"2 0 $013+G *+# 2+*+-3"13 2 . 0 * 10#/0 . +-$+ +*$+ ,"-$ -" #+10 $"# "E . 0* 36 *+(0 . +-"*(94+ F4#N -0 0##+2"4 20 *40 0,#+' 0/0 $#0-*'+-2+-$+ ,# - ' , 2 2 ;+11"(0 9401 20 $0 . 0-:0 . ,"#$0-' 0 ;" . /"*$ 2"* $+ . ,"*(. "2+#-"*(01 . +-$02 ,+10 '"-$+ . ,10/0 2"* +-'0- $"* + . 0#0N 1:0* 94+ "4$#0* 2,"'0* -"* 1+/0#0 .

. 4 $;+ . '"-'+; 2 +-4-' 02 + . 94+ F4#N '" . ,1+$"4 *+4 ,+-*0 . +-$"

K? F4#N 0F4 G"4 2"* ,#"/#+**+* ,#+*;-$+*(20 -"**0 -24*$# 0 ,+1"* *+4* ,#"/#+**+* ,0**02"* " . ,0#"4 + *$02 0'$401 20* 0;# '0*(" R ' "* + ,#"24'+* -0' "-0+* '" . * +4 +*$024 0-$+# "# +#/4-$"4 0 * . +* . + 7 *40 '"-*' +-' 0< "* 0#$+ 02"* -0' "-0+* $+#0 . +1:"#02 + .

S . -4 2 + . * S 4; 2 -0 +*'010 2 * + SQ

"$+ *+(,"#+ . (94+ -0 + . ,#+/030 * . 41$0-+0 . +-$ "* $#+* -2

'02"#+*(0-$+* "* *+,0#030(";+2+'+-2"5 2* +8 /+-' 0* 2"5 . +$:"2"(+5 +8 5 ,#+**0-2"5 "5 *+45 '"-'+ 1"5 -"* *+/4 -$+* $+# . "*<

.5 ,#"24'1"5 ,62+5 $+# #0+11 "#02"5 + .5 9401 202+5 *+ .5 $+# ;0 802"5 2+5 ,#+X"5 5 4 .5 ,#"/#+**"

.5 ,#"24'$"5 ,"2+5 '"-*+#30# *+5 +*$0' "-0# "5 -"5 94+5 $"'0 D 9001 5 202+(0"5 . +* . "5 ,0**"5 94+5 "5 *+45 ,#+/"5 2+'1 -0 ,"# 01/4 . 0 ' #'4 . *$0-5 ' 0 03"#03+1 D ,#"24' 0"

+5 0* 30-$0/+-* 20 9401 202+5 +5 ;0#0$+G0 *0"5 * . 41$0-+0*($+ . "* +-$0"5 2" * ,#"/#+**+*< +5 2"* . 0 "#+*(2"* . 0 * 2+*+F03+ * 94+5 *+5 ," 5 2+ .5 0,+1+'+# + .5 940194+# 0#1+ 0'$"

+5 "5 ,#"24+$"#(2"$02"5 '" .5 "5 *+-$ #0+-1"5 20 :0# . "- 0(20* 2# . 0*(20* '"#+*("5 +*$0 . ,"4 -"5 *+45 ,#"24'$"5 0 ,0# '" .5 0 ;"0 9401 202+5 +5 0 ;0#0$+G0(+-$0"5 94+5 :+5 ' -F0 .5 0 '0;+X0 20 # ,1 '+5 '"#60 -24*$# 015 5 ,#"24'$"# +*12 /010#2"02"< "5 ,#"24'$"5 +*1 5 ,+# + $"

?5 F4#N 0;*$+3+ *+5 2+5 ,#" +# # F4 G"5 *";#+5 "* ,#"24'$"* 20* +110* #$+*(,"#94+5 F41/"4 -2 *,+-*03+1 4 . 0 +8,"* /0"5 +*,+' 01(+ .5 94+5 0,5 ,0#+'+**+5 #00 "# -4 . +#"5 2+5 ";F++$2* 0#$ *$ '"*(+5 ,"2+**+5 2 *,"# 2" 5 '"-5 3+- +-$+* ,#+ . "*

) 4 G+# . "* 0'" . ,0-:0# "5 #+10$"# "5 -"* *+4* 2+*+-3"13 . +-$"*E . 0* -0"5 -"1 "5 ,+# . 1+5 0 -+'+** 202+5 2+5 *+# ;#+3+(,0#0 ,"2+# . "* 0'42 # 0 "4$#0* '"-* 2+#0/"+* #+101 30* 0 *"' +202+5 2+5 94+5 $#0$0 . "*Z

+3+ . "*(,"#+ . (2+ 80# #+/ *$020 0 1 *$0 20* ,+**"0* 94+5 '"-*$ 5 $4 0 .5 5F4#N

* 94+5 0 -20 :"F+5 3 3+ .5 *0"5 0* *+/4 -$+*< -$"- "5 2+5 1 3+ #0 0#5 #+'0E #0-' *'"5 -$"- "5 +#+ #0 20 "*$0E 4 1:+# .+5 "*+5 -$"- "5 0* +/02"E "0"5 2+5 -2#02+5 "#3"E "*+5 "4#+-/"5 20 4GE 41"5 08 ."5 2+5 1 3+ #0 . +-$+1 B0/"#0 3 *'"-2+5 2+5 110 0 "#

F0 011+' 20+#0 . 0* *+/4 -$+*< 1 . + 20 0##+$$E +-$"5 "##+ 0 N#+* 2+5 0 . ,"*E +#-0#2"5 /4+1 2+5 1 3+ #0 "#/+*E 0+* &* 5 +-5 2+* 0#2"*"5 +01 4- "#E #0-' *'"5 +2#"5 +1+*$ -"5 "0#+*< #+/"# "5 0G -0G+-"5 2+5 +/"E 0*,0# " .+* 2"* -F"*E +-# 94+5 4-+* 0#R 2"*"E "0"5 2+5 01$"* -$"E "*+5 0# 0 #0-2+E 0# -"5 /4+5 #0-G -

7 5 5 5 5 " 5 8-* 5 5 (5 5

78D:5 &B 05 78EL

++ *#+* 5 0+* &* 5 "0)205 " H05 -#&,#5 2)%1#5 "#5 7ED5 $065 <"05 $#++05 " 5 & 5 0 #*05 %5 5 $ 5 '% 5 $ +* $ 005 $065 ;5 #5 5 +"05 05 $065 <;4 + 5 '%0)5 05 6 0+"#5 '%#&,0 5 "05 $,##605 #5 "05) B# "0"#5 " 5 * 1 1 # * 5 2#15 * +& "# 0"05 & B5 , " &5 &5 &#%&5 20 0" &5 0&$#*, &

15 2# "0"#5 "#5 $065 <E5 # 05 " 0+,#5 @05 5 2)5 * +,* 05 &5 $0 **# #&5 "0&5 &#*.5 6 #&5 " 5 @% /

4#0,#+ -"10# 94+ 0-$+* 20 +8,"* /0" '+1+;#020 + . AC>W F "4$#0* $ -:0 . * 2" ,#" . "3 20* + + +$4020* ,+10 "' +202+ #" . "$"#0 20 10 24*$# 0 0' "-01

" 0--" 2+ AC7C 0;# 4 0 *"' +202+ 4 . 0 +8,"* '0" 2"* ,#"24'$"* -24*1# 0+* -" +2 ' " "-2+ $ -:0 0 *40 *+2+ B+8$ -'1" '"-3+-$" 2"* 00 1 *10* ? #+*41$02" 20 +8,"* /0"((*+/4-2" 1+ . "* -"* +8'+2+0 . 4 $" 0* +*,+#0-/0* 2" '"-*+1:" 20 - +* . 0 *"' +202+(+ . "*$#"4 94+ 01/4-* #0 . "* 2+ -24*$# 0 0 . 2+ 2 0 +#0 2 0 0G+-2" ,#"/#+**+* +-$#+ -6* * "* $+# . "* +#0 94+ *+ 20 '"-$0 2+*10 +8,"* /0"< K '"-'"# #+#0 . &30#+* + 2 +#+-$+* 0#1 /"* 2+ . 0-4 0'14#0($0" ;+ . 0'0;02"*(94+ # 301 *0 . '" . "* 0;# '02"* -0* . +1:"#+* " ' -0* 20 4#",+ . $"2"* "*P2 0* 94+ 24#"4 0 +8,"* /0" +* 3+#0 . 0* *010* 0, -:020* 2+ ,+**"0*(0** #0 -0' "-0+* '" . " +*$#0-/+ #0*(94+ '0#0 . "# . 0-2" #04 2 3+#*+ '"-'+ 1" 20 ,+# + /0" + 2+1 '02+G0 2+ -"**"* 0#1 *$0* S

#0 AD 2+ . 0 " 2+ AC>? " ,4;1 '02" ",#"/0 . . 0 ,0#0 0 +8,"* /0" 2+ ,#"24'$"* 20 -24*$# 0 -0' "-01 94+ 0 *"' +202+ $+-' "-030 0,#+ *+-$0# 0" ,4;1 '"(-" .+*#0" +2 ' " 2" +8$ -'$" '"-3+-$" 2"* 041 * $0* ?,#"/#0 . . 0 +#0 0** /-02" ,"# "*+ "#/+ "4#+ #"('" . " *+'#+ $0# "< " 94+ -"$0 . "*(,0#0 0G+# *+-$ # 0 '"-* 2+#0/0" + . 94+ +#0 $ 20 0 "' +202+ #" . "$"#0(N *$" 94+ 4#-:" . + . 2+ 101 . ,"#$0-' 0 *+ ,#+* $0#0 0 *+#3 1 0 -5094+11+ $#0;01:"*" '0#/" 0* 94+ . 4 $" * *+ $ -:0 . ,"# /#0-2+ ;"-#0 " ,#+* 2 # *"' +202+ 4#-2494+ 2+ 01 . +110(4#-3 * '"-2+ 20 0###+ #0(+ "4$#"*

" . +G 2+ 0/"*$" 2" #+ +# 2" 0--" +d + $4"4 *+ 0 ,#"F+'$020 +8," * /0"(,0#0 0 940 :03 0 . * 2" '"-3 2020* "* 2 +#+-$+* 0;# '0-$+* + 0#$ *$0* 2" #+ -" 0" " $0" '"-* 2+#03+1 0 '"-'"##+-' 0 2"* ,#"24' $"#+*('" . " 0 *"' +202+ 2+*+F030< . 0* 0** #0 . +* . " +*$0 *"/4-20 +8,"* /0" " . 0 * 0;4-20-$+ + . ,#"24'$"* 2" 94+ 0 ,# . + #0 * "R ' +202+ ,4;1 '"4 -"* *+-* 0 1 *$0 /+#01 2"* 0#$+ 0'$"* 94+ +*$ 3+ #0 . +8,"*$"* 0" ,4;1 '"(0'" . ,0-:020 2+ ;#+3+* ";*+#30/"+* 0 #+*,+ $" 25+*$+* + 2"* #+*,+'$ 3"* +8,"* $"#+* : /4#030 . 0* 0;# '0* 20* *6 20*(2+)0/0" +$+' 2"*(2+ +*$0 . ,0# 0(2" 0-*(2+ 3 2#"* + '#N*10+*(2+ ,0,+1(+$' +$'

" "' +202+ #" . "$"#0 20 -24*$# 0 0' "-01(. 4 $" . 0 * +1 G 94+ "4$#0*($+-2" #+*4*' $02" + . AC7>("' 20-2" * /-0+* 2+ 3 20 ,+1" $+ . ," 02 0-$+

. ACDA -"$030 " 2 #+'$"# 2"* *+4* 94+ "4$#0* *"' +202+*(-0*' 20*2+," * 25+*$0($ -:0 . 0'0;02"(+ 01/4 . 0* *+#0 2+ 80#+#0 2+ * 4 . 0 . + . "# 0 94+ 0* G+**+ 1+ . ;#020*E 0" ,0**" 94+ 0 #" . "$"#0 20 -24*

$# Ơ 0' "-0ʿ 1 - :Ơ +8 *112"(+ʿ "ʿ ,0 Ơ :+ʿ 2+3 0(ʿ+-$#+ʿ "41#"ʿ *+#3 '+*(0* +8 ,"* /"+* -24* # 0+* 94+ʿ *;"Ơ $ - :Ơ ,#+*+-' 02"

ʿ 0'#+*'+-$030ʿ K 0"ʿ +ʿ *"ʿ -Ơ 1+ʿ 94+ʿ Ơ #+/410(-+#Ơ -"* :" . +-* 94+ʿ Ơ '"-*$ $4+ . (94+ʿ *+ʿ ,"2+ʿ ,#"'4#0# Ơ '04*Ơ 2‖+*$+ʿ 0'$"ʿ -0"ʿ 341R /0# J *"' +202+ʿ$+ . ʿ+8 *$ 2"ʿ ,"#94+ʿ#+,#+*+-$Ơ 4 . Ơ 2+Ơ +'4-20ʿ+ʿ ,#" ʿ . "$"#Ơ 2"* 3+#202+ #"* -$+#+**+* 20ʿ -0/0"(,"#94+ʿ* / - 'Ơ "ʿ 01$"ʿ ,+- ʿ *0 . +"$"ʿ 94+ʿ #+01 *02"ʿ + . ʿ $"2"ʿ 6ʿ ,0 Ơ "ʿ ,"2 0ʿ 0G+# '"-94 *$0# "ʿ 1"/0# 94+ʿ :+ʿ '" . ,+$+ʿ -Ơ ' 3 1 *0/0"ʿ /+#01 J ʿ *"' +202+ʿ -0"ʿ '"-:+'+ʿ ,"1 $ 'Ơ +ʿ 2+*2+ʿ Ơ *40ʿ "# /+#Ơ $#0$"4ʿ 2+ʿ 4- # +#Ơ 4 . Ơ *"ʿ 2+Ơ Ơ ,#"*,+# 202+ʿ ,4;1 'Ơ("* -$+#+**+* 0/# '"10* +ʿ "* -$+#+**+* 0;# * Z

8+ . ,1 1+0-2"ʿ +*$+ʿ 41$. "ʿ 0**+#$"(#+'"#2030ʿ 94+ʿ -Ơ "'' 0* 0"ʿ 2+ʿ *+ʿ 2+' 2 #(+.ʿ F4-:"ʿ 2+ʿ AC I(94+ʿ -"ʿ 0- - 3+#*0# "ʿ 20ʿ *"' +202+ʿ *+ʿ '"- +ʿ # **+ʿ 4#-ʿ ,#+ . "ʿ Ơ 4 .ʿ 0/# '41$"# ," ;#+ʿ . 0* :"-#02"(94+ʿ $ 3+**+ʿ 3+#ʿ 202+ #Ơ 0,$ 20"ʿ ,0#Ơ Ơ 103"4#0($0#0;+.ʿ *+ʿ 2+' 2 4ʿ 94+ʿ 4 .ʿ 0#$ *$Ơ ;+ʿ -+ . +# $"ʿ #+'+;+**+ʿ -ʂ+**+ʿ 2 Ơ +/401ʿ ,#+ . "

" . "ʿ F ʿ "* -"**"* 1+ $"#+* *0;+ . (+#0 .ʿ "* ʿ "ʿ "#/0"ʿ 20ʿ "R ' +202+ʿ #" . "$"#Ơ 20ʿ -24*$# Ơ 0' "-01‖ . i* 0 -20ʿ 2+3+ . "* '0#0'$+ʿ # *0# ;+.ʿ Ơ -0$4#+GƠ 2ʂ+*$Ơ ,4;1 '0/0"ʿ ,+# "2 'Ơ(+ʿ "ʿ 01'0-'+ʿ 2"ʿ *+4ʿ 2+* ʿ $ -"(+.ʿ ,#+*+-/Ơ 20* 2+'10#0/"+* +$0* ,+1"* *+4* #+20'$"#+*(+ʿ ʿ 3 *$Ơ 2"* 0#$ /"* 94+ʿ -ʂ+11+* +-'"-$#0 . "*

.ʿ AC>C 2 G Ơ Ơ #+20+/0"<

"#0 .ʿ "* ʿ ʿ ʿ ʿ ʿ (ʿ " ʿ #+2 / 2"*(+ʿ 2+*$ -02"* Ơ 341/0# *0# 094+11+* '"-:'' . +-$"* 4$+ * +ʿ -+R '+**0# +*(,0#Ơ '"-*$ $4 # 4 . Ơ +8 *$+-' Ơ ' 3 1 *020(+ʿ ,"# *ʿ +*$0;+1+'+ʿ #+.ʿ 4 . Ơ '+#10ʿ *4 ,+# "# 202+ʿ +-$#+ʿ "* :" . +-*("#. 0-2" 11 +* *40ʿ . " ʿ ' 202+ʿ -0* ,#0$ '0* 20ʿ 3 #$42+(-"ʿ 2+*+-3"13 . +-$"ʿ 2+ʿ *40* 0'41202+* -$+11+'$40+* +ʿ -Ơ ,+-+$#0/0"ʿ 2"ʿ *+-$. +-$"ʿ 2+ʿ *40* ";# /0/"+* *"'10+* #Ơ "* '"-:+' . +-$"* +ʿ -24*$# Ơ 20* -0/"+*(;0*+ʿ 3+#202+ #Ơ 20ʿ +1 ' 202+ʿ 2"* ,"3"*(*+-2"ʿ 0;*"14$0#0+-$+ʿ -+'+**0# "*($ 3+#0 .ʿ ,"# ";ʿ F+'$"ʿ ,# -' ,01ʿ "ʿ ,#"3+# "ʿ :" . +.ʿ 2"* 01 . +-$"* -+'+**0# "* 1 *40ʿ +8 *R $+-' Ơ Ẽ +ʿ +.ʿ ʿ . . +-*"ʿ -4 . +#"ʿ 2+ʿ *+4* . 0 * +*'+-' 0+* 92+* $"* '" . ʿ ,#+;+-2+#0 .ʿ Ơ 0/# '41$4#0(*$"ʿ +(Ơ 0#$+ʿ 2+ʿ '41$ 30# Ơ $+##Ơ +ʿ 2+ʿ Ơ 0R G+# #4'$ '0#ʿ ʿ *' +-' Ơ 2" /"3+#-"ʿ +'"-" . 'ʿ 2+ʿ $"2"* "* ;+-* '0 . ʿ ,+*$#+* " (*+.ʿ 243 20(2+ʿ 4 . Ơ '"-*+94+-' Ơ . 0 "#(2"ʿ 94+ʿ . 4 10ʿ /+-$+ʿ . 0/ -"4

0"ʿ *"(," *("* ʿ ,4;1 '0#0 .ʿ 2"4$# -Ơ +ʿ +*'10#+' . +-$"* Ơ #+*,+ $"ʿ 20ʿ -24*$# Ơ -"* *+4* 2 3+#*"* #0#0"*(*+ʿ -0"ʿ $0 .;+.ʿ *";#+ʿ 0* '"-3+- +-' 0* . 1ʿ 20ʿ 0/# '41$4#0

+10$ 30 . +-$+ʿ Ơ +*$+ʿ 41$. "ʿ 0**4 . ,$"(' $0#+ . "* 4 . Ơ +*,+' 01 202+

94+‘ -"* ‘ +‘ #01020‘ '" .‘ "‘ 2+3 2"‘ 2+*+-3"13 . +-$"(+‘ 3+#‘‘ ‘ *+#‘
‘ ‘* * ‘ ‘ * ‘ **
‘ ‘ ‘ ‘ +," *‘ 20‘ +8,"* YX0"‘ 2"*‘ -2 *,+-*03+ *‘ '"-:+‘
' #0+-$"*‘ 94+‘ 2+3+‘ $+#‘ "‘ . '2 2"# 2+‘ $+##+-"*(+ .‘ /+#01(3+ .‘ ‘ #+*"14‘
0"‘ 2+‘ 2 3+#*"*‘ ,#";1+ . 0*‘ ,0#‘ ‘ #+,0#$ '0"‘ 20*‘ $+##0*‘ ,"# 2 3+#*"*‘
:+#2+ #"*(*+ .‘ ,#+F4 G"‘ 2"*‘ -$+#+**02"*(+‘ ,"# . + "‘ 2+‘ +/401020*‘ '" .‘
,+-**)"+*
"‘ 94+‘ $"'‘ ‘ -24*$# 0(2+3+ . -*‘ 0** /-010# "‘ *+#3 /"‘ 94+‘ "*‘ 2
‘ 0G 0 .(#0-* . $1 -2"‘ 0"*‘ -24*$# 0+*‘ ,"#$4/4+G+*‘ "‘ 94+‘ 2+‘ . 0*‘
4$ 1‘ *+‘ 2+,+#030‘ -"*‘ 1 3#"*‘ +‘ ,+# "2 '"*‘ ‖ 1#0-/+ #"*
0"‘ . +-"*‘ 2+3+#0"*‘ $" . 0# -"$0‘ 2"‘ 2+*3+1"‘ '" .‘ 94+‘ -"*‘ 7
"#0 .‘ * ‘ ‘ ‘

2+*'"- :+' 0 . ˢ Ơ 4$ 1 202+ˢ 2ƽ+110Ẽ 01/4 . 0*ˢ 0$+ˢ $+ . +#0 . ('"-* 2+#0-2" Ơ '" . "ˢ 4 . ˢ -94+# $"ˢ ,0#Ơ '#+0# $# ;4$+*Ẽ . 4 $0*ˢ #+*"13+#0 . ˢ 0F420# +*$+ˢ $0"ˢ ,#" '4"ˢ 02"ˢ 02 . - *$#0$ 3"ˢ 2+," *ˢ 2+ˢ . 4 $"*ˢ #"/"*(+ˢ '" . "ˢ ,0#Ơ 0G+# 03"#(+ˢ -0"ˢ ,0#Ơ "ˢ #+'+;+#Ẽ +ˢ *$"ˢ '0 . -:030Ơ 0** . (,"#94+ˢ 2ƽ+- ˢ $#+ˢ "*ˢ '"- :+'+2"#+*ˢ 20*ˢ 30-$0/+-* 20Ơ +8,"* /0"(4-*(+#Ơ 1"/0# 2+ˢ Ơ 0- . 0#+ . (+*,01:030 . ˢ "ˢ 2+*01+-$"("4ˢ ,+1"ˢ *+4ˢ -2 +#+-$ * . "("4ˢ ,"#R 94+(,0#Ơ 4020Ơ 0G+#+ . (,#+$+8$030#Ơ Ơ #0,"** ; 1 202+ˢ 2+ˢ Ơ #+01 *0#Ẽ "4$#"*ˢ Ơ /4#030 . ˢ + . ˢ # 2 '410Ơ ,+#*,+'$ 30('" . "ˢ *+ˢ +110Ơ -0"ˢ "#Ơ *+#0 ˢ ,#+ˢ -";#+ˢ $+-2"ˢ ,"# . ˢ 2+*+-3"13+# +ˢ 0,+# + '"0# Ơ -24*$# Ơ 2+ˢ 4 . ˢ ,"3" ˢ Ź ‖

&% * 2 ˢ ˢ ˢ ˢ ˢ ˢ , ˢ ˢ ˢ 2

ˢ ˢ* ˢ P ˢ , ˢ , ˢ ˢ ˢ ˢ ˢ* ˢ ˢ 2

ˢ ˢ ˢ ˢ ˢ ˢ ** ˢ * ˢ ˢ ˢ* 2

ˢ* - ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ

, ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ

J DL ; J

+-$02" -0 +8,"* /0"< 94+ ". $1 ."* ,"#. 41$" +8$+-*"E + *6 30."*
$#0-*'#+3+# " -01 2" " ' "

K? F4#N('"-'14 2" " *+0 ,0#+'+#(F41/"4 2" *+4 2+3+# 2+'10#+# 94+
0 -"**0 -24* # 0 0;# 1(#+3+10-2" /#0-2+ $01+-$" 0#$ *$ '"('0#+'+ -2 *
,+-*03+1.+-$+ 2+ *"''"##" 20 *' +-' 0 ,0#0 94+ .0 * *+ 2+*+ 3"130(+
'"-* /0 +1+30# *+ 0" /#04 2+ ,+# +)0" 2+ 94+ 0 -20 +*$2 2 *$0-$+(+.
01/4-* #0;01:"*E + 94+ 0 -"**0 -24* # 0 0/# '"10 ,#+' *0 .4 1" .0 *
2+*+.+1:0-$+ 048 1 "(2+,+-2+-2" 4.0 + "4$#0 2+ ,#"$+' 0" 2" /"3+#-"
,0#0 ,#+*10#+. 0* .4 $0* 30-10/+-*(94+ *+/ #0.+-$+ *+ ,"2+#- +*,+Z
#0# 25+110*

K *$+ #+10$"# "('". ,#+:+-2+-2" $#0;01:"* 20 '". . **0" + 2" F4#N
30+ 0** /-0 " ,+1"* .+. ;#"* 25094+110(+ ,+1"* 94+ *+ :+* #+4- #0.
,0#0 '"-*1 $4 # " F4#N J # '"-*+1:+ #" "*+ 13+*1#+ ;+ #"(/"3+#
-02"# ' 3 1 2" 2 *$# '$" 2" 4-':01 J +#341" #4. ."-2 2+ +-+G+*(
"*+ +0" #4. ."-2 03011+ #"(+3+# 0-" 1;+#$" 2+ #+ $0* +##0G
B +/4+. 0* 0** /-0$4#0* 2"* 3"/0+* 2" F4#N(*4,#0 .+-' "-02"* H

+."* 202" -"$ ' 0 20 "' +202+ #"#0"$"#0 20 -24* # 0 0' "-01(
940-$" -"* ,0#+'+ -+'+**0# " ,0#0 94+"*1+ $"#+* ,"**0. "#.0# '"-'+ $"
25+110 +#$+-'+ 0 "4$#2 ,+# "2" 2+ $+. ," 0 -2 '0/0" 2" *+4 2+*0, ,0
#+' .+-1"E + '". 940-$" # 0" *+F0 +**+ ,+# "2" .4 $"2 *$0-$+ 25094+11+
94+ "#0 -"* "''4,0(0/40#20#+#0"* 0 "''0* 0" ",,"#$4-0

0" 2+3+."*(,"#6.(#+.0$0# +*$+ '0, $41" *+. ,0/0# 4#- $# ;4$"
2+ 1"43"# 7*"' +202+(,+10 -";#+ 2"2 '0/0" '". 94+ *+ +*.+#030 -0
,#",0/0/0" 2+ ;"0* 2"4$# -0* +'"-". '0*)4+# 0 4. *N*$+.0 ,#"$+'
$"# 2+ ,04$0*E .0* 94+# 0 4. *N*$+.0 #0*"03+1 94+ -0" $#"48+**+ '".
* /" 2 #+ $"* /#03"*"*(/+#02"#2* 2" '"-$#0;0-2"(*
,

-$+-2 0 94+ -0" ;0*$0 0 ,#"$+'/0" 20 -24* # 0< + -+'+**0# " #0
,# . # 1:+ 4.0 2 #+'/0" 2 *'#+$+(20# 1:+ 02+94020 +24'0/0"(+ '"-*+
/4 # 94+ $#0;01:"* -24*$# 0+* *+F0. 2+*+. ,+-:02"* ,"# +8+#' $0
2"* 0#$ '+*(,"# -*1#4 2"* 0#$ *$0*

.0 B 8'+11+-$+ .08 .0 -'41'"4 0"*" 424*$# 0+*< . ,#+/E0# $"2"*
"* +* "#/"* ,0#0 0,+# + /"0# " 0;# '"(,0#0 +/4010# "* # 30+*(+ +*$4
20# 94+ .+1:"# :+* '"-3+-:0 0;# '0#(,0#0 25+*$+ ."2" +-'0#0# *+.
$+#0"# 0 '"-'"##+-' 0

ˢ I ˢ ˢ ˢ ˢ ˢ ˢ) ˢ
ˢ ˢ ? > ˢ ˢ I ˢ ˢ : ˢ

"-*$ $4 4 *+ˢ +*$0ˢ *"' +202+ˢ -"ˢ ,# -' , "ˢ 2+ˢ "4$4;#"ˢ 2"ˢ 0--"ˢ 2+ˢ AC7Dˢ, "#ˢ - 14+-' 0ˢ 2"ˢ #+*,+'1 3"ˢ /"3+#-02"#ˢ ' 3 1Eˢ +ˢ "ˢ 0, ,#"3020'"ˢ . ˢ /#0-2+ˢ 1"43"#ˢ ,+1"ˢ /"3+#-"ˢ + .ˢ ,"#$0# 0ˢ 2+ˢ IWˢ 2"ˢ . +* ."ˢ #0+Gˢ +ˢ 0--" ?ˢ /"3+#-"ˢ #+'" . . +-2"4ˢ +*,+' 01 . +-1+ˢ "ˢ 0,+#=+ '"0 . +-$"ˢ 20ˢ - ˢ *$#4''0"ˢ ,4;1 '0Eˢ +ˢ 2+0ˢ $+*$+ . 4-:"ˢ 2+ˢ 94+ˢ ,0#0ˢ **"ˢ +ˢ ,0#0ˢ "*ˢ 2+ˢ . 0 *ˢ -*ˢ . 4 $"ˢ '"- 030ˢ :0ˢ -1+ 1 /+-' 0ˢ +ˢ 2+2 '0'0"ˢ 2"*ˢ *"' "*

0-$"ˢ 0ˢ #+,#+*+-$0'0"ˢ + .ˢ 94+ˢ *+ˢ ,0#$ ' ,"4ˢ 0"ˢ /"3+#-"ˢ +*$0#ˢ '"-ˢ *1 $4 20ˢ 0ˢ *"' +202+ˢ '" . "ˢ 0ˢ #+*,"*10ˢ 94+ˢ 0ˢ +*$+ˢ "ˢ 2020ˢ . +#+'+ .ˢ *+# #+/ *$020*ˢ ,"#94+ˢ 0G+ .ˢ *+-$ #ˢ "ˢ 940-$"ˢ + .ˢ AC7Dˢ :03 0ˢ 2+ˢ +*,+#0-'0*ˢ 2+ˢ 4#-ˢ +1Gˢ 4$4#+ˢ ,+10ˢ ;+-+ 'ˢ 0ˢ - 4+-' 0 20ˢ 1 ;+#202+ˢ 94+ˢ ,"4'"ˢ 0-R $+*ˢ $ -:0ˢ 2+*,"-$02, ˢ #0ˢ +-$0"ˢ '" . ,1+$0ˢ 0ˢ "- 0-'0ˢ 2"*ˢ ,"3"*ˢ -"*ˢ /"ˢ 3+#-"*ˢ '"-*$ $4' ":0+*ˢ +ˢ "*ˢ :" . +-*ˢ 14*$#02"*ˢ ,#+*$030 . *+ˢ /"*$"*"*ˢ 0ˢ '"02F4301‖"*

0)40-2"ˢ 4#-ˢ /"3+#-"ˢ *+ˢ '"11"'0ˢ +ˢ #+-$+ˢ 20ˢ ' 3 1 *0/0"ˢ B2 G 0 .ˢ "*ˢ #+,#+*+-$0-$+* ˢ +ˢ 2+3+#ˢ 2"*ˢ /"3+#-02"*ˢ *+/4 1 "ˢ +ˢ 048 1 01 "ˢ * 0;0 8"ˢ 0** /-02"*ˢ ,"**4 2"*ˢ 2ֽ+*$0ˢ 3+#202+ˢ +ˢ 0''+2+-2"ˢ /"*$"*0 . +-$+ˢ 0"ˢ '"-ˢ 3 $+ˢ 94+ˢ ;+*ˢ "ˢ 2 # / 2"ˢ ,+1"ˢ *+4ˢ /"3+#-02"#ˢ *+ˢ '"-*$ $4 #0 .ˢ + .ˢ *"R ' +202+ˢ ,0#0ˢ 94+ˢ #+4- 20*ˢ + .ˢ 4#-ˢ *"ˢ ,"-$"ˢ $"20*ˢ 0*ˢ -"$0; 1 202+*ˢ 2"ˢ 2 *1# '$"ˢ 2+ˢ 3+ #"ˢ $#0;011 0**+ .ˢ 940-$"ˢ ,"** 3+1ˢ -"*ˢ .+1:"#0 . +-$"*ˢ 2"ˢ . +* ."ˢ 2 *$# '$"ˢ +ˢ -0ˢ 114*$#0/0"ˢ 2"ˢ ,"3"ˢ 020ˢ . 0 *ˢ 0$0Iˢ 0ˢ 1 ;+#R 202+ˢ 2"ˢ 94+ˢ 0ˢ /-"#0-' 0ˢ +ˢ 4#-ˢ /"3+#-"ˢ 1 ;+#0Iˢ 94+ˢ -ֽ+*$0ˢ 94+# 4-ˢ 20# 0ˢ *40ˢ +*$0; 1 202+ˢ +ˢ ,"2+#ˢ 0'0;0ˢ ,"# *+# 3 ' .0ˢ 2"ˢ *+4ˢ +##"ˢ 20ˢ *40ˢ . ,#+3 2+-' 0ˢ +ˢ '+/4+ #0ˢ ˢ ' 3 1 *0/0"ˢ 2"*ˢ ,"3"*ˢ /0#0-1+ˢ 0ˢ +8 *ˢ $+-' 0ˢ 20ˢ 1 ;+#202+ˢ +*$0ˢ -0"ˢ ,62+ˢ +8 *$ # *+ .ˢ 094+110ˢ +ˢ $0"ˢ +*$#+ $0ˢ . +-$+ˢ +*$0"ˢ 1 /020*ˢ 94+ˢ *+ˢ 4 .0ˢ *4''4 . ;+ˢ 0 "4$#0ˢ +-+'+ˢ 0ˢ 1114*$#0ˢ /0"ˢ +ˢ 0ˢ ,#+'4#*"#0ˢ 20ˢ 1 ;+#202+ˢ ,"#94+ˢ 4 .ˢ ,"3"ˢ 114*$#02"ˢ ,# -' , 0ˢ 0ˢ #+'"-:+'+#ˢ "*ˢ *+4*ˢ 2 #+ $"*ˢ +ˢ *0;+# 2+ +-2+1 "*ˢ * 0;0 8"ˢ 0** /-0R 2"*ˢ $+-2"ˢ + .ˢ 3 *$0ˢ +*$0*ˢ . 08 . 0*ˢ 2+ˢ +$+#-0ˢ 3+#202+ˢ +ˢ 94+#+-2"ˢ *+# 4$+ *ˢ 0ˢ -0/0"ˢ +ˢ ;+ .ˢ . +#+'+# 2+ˢ *+4*ˢ '" . ,0$# "$0*ˢ $+-$0 .ˢ ,#" . "3+#ˢ *+/4-2"ˢ *40*ˢ 0,"4'020*ˢ "#/0*ˢ 0ˢ #+/+-+#0/0"ˢ . "#0Iˢ 2"ˢ ,"3"ˢ 2ֽ+*$+ˢ 2 *$# '$"ˢ +ˢ #+*"13+#ˢ "4$#"*ˢ . +1:"#0 . +-$"*ˢ 2+ˢ 4$ 1 202+ˢ 1"'01ˢ "ˢ 0 "#ˢ . "*+0 . +-$"ˢ 2"*ˢ '"-'+1:"*ˢ +ˢ $42"ˢ 940-$"ˢ ,"**0ˢ $+-2+# 0*ˢ '" . . "2 20ˢ 2+*ˢ 2"ˢ ,4;1 '" S

ˢ *ˢ #+,#+*+-$0-$+*ˢ ,+2 0 .ˢ 0 -01ˢ 94+ˢ ˢ *";+#0-0ˢ "**+ˢ ,0#$ ' ,020

0 -*$04#0'0" 20 *"' +202+(+ *"11 ' 1020 0 *4 ,+# "# + '"#0 ,+$+-$+ 0 , , "30'0"

"# 940-$" *+ 2 # / 0 . 0" +-10" . - *$#" 2" #+ -"("2# /" 20 "-*+'0 0/01:0+*(+-2+#+**030 . 0 +*$+ 4 . 1 *"-/+ #" ,+2 2"E K * 0;0 8" 0** /-02"* "4*0 . ,+2 # 0 8 S 94+ "* '"02F43+ '" . 0* 04 G+* + +81#0"#2 -0# "* $01+-$"* 2+ 94+ + 2"$02"(+ '"- 0 . 94+'" . 10" ,"2+#"*" 048 1 " + +'140#1" *+ . '4*$" 0 +*, -:"*0 $0#+ 0 94+ 0'0;0 . 2+ +-'+$0# B 4$4;#" 7 2+ AC77

"3 -1#+ "* * /-0$0# "* +-'"-$#0#0"* "* -" . +* 2+ "*+ "094 . ", +* 2+ . 0(,#+* 2+-$+E 2+ "094 . +2#" +1+*$ -" "0#+*E 2+ 4 G N,# 0-" 2+1:" 2+ 0/01:0+*(+ 2+ *+4Z 114*1#+ 1:"(" /#0-2+ "#02"# B8 , : 5 + " 2"*# 0-4+1 "*+ +-2+* + $+

0 #+*,"*$0(201020 2+ IW 2" . +* . " . +G + 0--"(2 G 0 " . - * #" "2# /" 20 "-*+'0 0/01:0+*K +-2" '+#$" 94+ 20 #+4- 0" 20* 3"-$02+*(+ 2"* +* "#X"* '" . ; -02"* 2"* . 0 * '"-*, '4"* + 2 *1 - '$"* ' 2020"* 2+ $"2"* "* 2 *$# '$"*(F0 + . 0- . 0# " 0,+# + /"0 . +-$" 20 -*$#4'/0" ,4;1 '0(F2 + . ,#" . "3+# "* . +1:"#0 . +- "* 20 -24*$# 0(20 0/# '41$4#0 + 20* 0#$+*(/#0-2+* 30-10/+-* ,"2+ . ,#"3 # ,0$# 0(0 94+ . 4 1"* 2"* 2 /-"* #0+ . ;#"* 20 "' +202+ #" . "$"#0 2+ 3+ #" $++ . ,#+*$02" 4$+ * + 301 "*"* *+#3 /"*(4-* ,"# *+4* + $"* . 1 $0#+*("4$#"* ,"# *+4* '"-:+' . +-1"* + *0;+#E :"43+ ,"# ;+#0 '"-'+ 2+# ;+- /-0 . +-$+ 0 *40 #+/ 0 0, ,#"30/0"(. 0-20-2" 1"430# " ,01# " $ '" -$+#+**+ 94+ "* . + . ;#"* 20 *"' +202+ . "*$#0 . ,+1" ;+ . +*10# 2"* *+4* '"-' 2020"*(+ ,#"*,+# 202+ 20 *40 ,0$# 0 H

I I 1 ?

" 0--" 2+ AC7V "#. "4 *+ + . *;"0 4 . 0 '" . " ;+#0 +*'"1: 2" + ;+ . 0202" $ $41" 2+ * : <

0 . 0 * ,+#+'+# + . + . "# 0 2+*10 *"' +202+(+-10/020 '" . " +*1 '" . -"#0+ ,#+'10# ** . " 2+ 1+80-2#+ +#'410-"(+ '" . 0 -"$03+1 ,4 ;1 '0/0" 2+-" . -020 " N"#b01 6 94+ +" $#+ -6* 2+##0 . "4 0 -*$#4'/0" -" ,+# "2" 94+ 2+'"##+4 2+ AC7V 0 AC>>(+ $0" #+1+30-$+* *+#3 /"* + '04*0 20 ' 3 1 *0/0" ,"#$4/4+G0

+*$+ ,+# "2 '" 2+ . "* -"$ ' 0 2+*+-3"13 20 -" ,#+*+-$+ $" . "(,0/ ID 0 IV

.‘ *+**0’’ 20’ 0**+ . ;1+0’ /+#01’ 2+‘ A6’ 2+‘ 0/"*$’’ 2+‘ AC7W’ "#0 .‘ #+R "# . 0’2"*’ "*’ +*$0$4$"*’ 25+*$0’ *"' +202+

+/4-2’’ +11+*’ ,#",4-:0 *+‘ 0’ *"' +202+‘ 0’ ,#",0/0#’ "*’ 2

‘ ‘ ,"#’ $"2"*’ "*’ . + "*’ 2+‘ 94+‘ ,"2+**+‘ 2 *,"#(’ +‘ 2+*2+‘ 1"/’’ ,"#’ . + ’’ 2+‘ 4 . 0’ ,4;1 '0/0’’ *+ . 0-01

"-*+#3030’ 0’ 2+-". -0/0’’ 2+‘ * ‘ ‘ ‘ ‘ +‘ 8030’ ’’ $+# . ’’ 2’’ *+-‘ ,# . + #’’ 0" ‘ 02 . - *$#0$ 3’’ -’’ 2 0’ 7?‘ 2+‘ F4 ‘ -;’’ 2+‘ AC7C

"-2’’ 2+‘ ,0#$+‘ "*’ 0#1F/"*’ 2"*’ +*$0$4$"*’ 94+‘ $#0$0 .‘ 2"*’ 0'' "- *$0*(’ 20’ 2 #+'/0’’ +‘ 20’ 0**+ . ;1+0’ /+ 01(’ 94+‘ ’’ , 0-’’ 2’’ -"**’’ $#0;01:’’ ,"2+‘ 2F*,+-*0#(’ ,"#’ -0’’ *+#+ .‘ 2+‘ -0$4#+GO’ . +#0 . +-$+‘ 1 $1+#0# OF ‘ +‘ -0’’ '"-‘ $+#+ .‘ +*,+' 01 202+*’ 94+‘ . +#+/0 .‘ ,0#$ '410#’ '"-* 2+#0/0"(’ 1 . $0 . " -"*’ 0’ $" . 0#’ -"$0’ 2’’ 94+‘ *+‘ 2 *,4-;0’ -"*’ -2 '02"*’ +*$0$4$"*’ #+10$ 30 . +-$+‘ 0’’ >

0’ #$‘ >7 S‘ 03+#‘ 4#-‘ F"#-01(’ ,4;1 '02’’ ,+10’ *"' +202+(’ 2+*$ -02’’ 0’ ,#" . "3+#’ 0’ -*$#4'/0"(’ ,# -' ,01 . +-1+‘ 0'+#'0’ 2"*’ '"-;+' . +-$"*’ 4$+ *

K #$‘ >6 S‘ *$+‘ F"#-01’ *+#0’ -$ $4102’’ ‘ ‘ (2

‘ " $’’ ,0/ -0*’ 2+‘ 940#$’’ /#0-2+‘ 0’ 240*’ '"14 . 40*(’ +‘ '020’ -4 . +#’’ $+#>‘ 4 . 0’ "4‘ . 0 *’ +*$0 . ,0*(’ 94+‘ * #30 .‘ 2+‘ 114*$#0/0’’ 0’ 01/4#0’ "4 01/4-*’ 0#$ /"*’ 2’’ $+8$"

K #$‘ >V(S‘ ?‘ F"#-01’ *+‘ "''4,0#>‘ 2+‘ '"-* 2+#0/"+*’ *";#+‘ 0’ ; *$"# 0’ -0' "-01’ +‘ +*$#0-/+ #0E’ -"$ ' 0*’ 2+‘ 0-$ /4 202+*’ +‘ ."-4 . +-$"*E’ +*$0‘ $ *$ '0’ +‘ /+"/#0,;0’ 2’’ ,0 GE’ ; "/#0,;0 2+‘ -"**"*’ 30#"+*’ 114*$#+*(’ + .‘ 0# . 0*’ +‘ + .‘ 1+$$#0*E’ 1 $$+#0$4#0(’ ,#",# 0 . +-$+‘ 2 $0(’ '" . ,#+;+-2+-2’’ "*’ +1+ . +-$"*’ 20’ $:+"# 0’ 2’’ 2 *'4#*"(’ +‘ 0’ *40’ 0,,1 '0/0’’ 0’ 1 -/40’ ,"#$4‘ /4+GO‘ ‘ F4# *,#42+-' 0(’ 0’ +'"-". 0’ ,"1 $ '0(’ ’’ 2 #+ $’’ 02 . - *$#0$ 3"(’ 0’ -24*$# 0(’ ’’ '" . . +#' ’’ +‘ 0*’ ;+110*’ 0#$+*’ *+#3 #0’’ $0#0;+ .‘ 2+‘ 0**4 .‘ ,$’’ 0’ 01/4-*’ 0#$ /"*(’ ,";#+*’ 2+ 0,,0#0$’’ $+';-"1"/ '"(’ .0*’ # '"*’ 2+‘ -"‘ /"+*’ * . ,1+*’ +‘ 4$+ *

K #$‘ >C S‘ 1+ .‘ 25+*$+*’ ";F+'$"*’ ’’ F"#-01’ 0,#+*+-$0#0’ $0 . ;+ .‘ +8R $#0'$*’ 2+‘ 3 0/+-*’ -$+#+**0-$+*(’ 0#$ /"*’ '4# "*"*’ 2+‘ *' +-' 0*’ -0$4#0+*(’ +‘ 2+0*’ 0*’ . 0 *’ +1+ . +-$0#+*’ 2+‘ 0*$#"-". 0(’ +‘ 2+‘ "4$#"*’ #0 . "*’ 0/#020‘ 3+ *’ 20*’ . 0$;+ . 0$ '0*‘ 08 . 0*’ ."#0+*(’ ;+110’ ,"+* 0(’ +‘ 0-+'2"$0*’ ; *‘ $"#F'0*’ +‘ ,"4'’’ 341/0#+*’ +-$#0#0’’ $0#0;+ .‘ -’’ 9402#0’ 2’’ F"#-01

K #$‘ >W S‘ ?‘ ‘ *+‘ 2+3+#0’ 2 *$ -/4 #(’ -0’’ *2#0+-$+‘ ,+10’ ,4‘ #+GO’ 2+‘ *+-‘ +*$N1’’ +‘ +*'"1;0’ 20’ #00$+# 0*(’ '"-0’’ $0 . ;+ .‘ ,"# *+0’ '"-‘ *$0-$+‘ #+*,+$’’ 0’ ."#01’ ,4;1 '0‘ 0’’ *+‘ -$#". +$$+# ‘ F0 . 0 *’ + . ,"1+ . '0(’ ,"1 $ '0(’ -+ .‘ . +* . ’’ '" .‘ 2 * 0#/020*’ 0114*"+*(’ "4‘ 0,"1"/"*’ ': *$"*"* ' #$‘ S‘ ?‘ F"#-01’ ,4;1 '0# *+ :0’ $"2"*’ "*’ *0;;02"*‘ ?‘ ,#+/’’ 2+

'020 -4 . +#" 0301*" *+#2 2+ ID #6 *(+ " 20 0** /-0$4#0(,"# 0--" #+ *
A I??E ,"# *+ * . +G+* 6>? #6 *E '" . #"*$" + -2 '+ -" . 2" 0--"
#$ DAS 2 #+''0" 0#$ 2 *$# ;- # /#0$4 $0#0+-$+ ,+10 0*0 0(
0*0 2+ 8,"*1"*(*N1"* 2+ ,# . + #0 - 0-' 0(410* 2+ -*$#4' I" ,#
. 0# 0(+ + . /+#01 ,"# $"2"* "* +*$0;+1+' . +-$"* , "*(01/4-* +8+ . ,10
#+* 2+ '020 -4 . +#"(94+ 0' 1 $+ . 0"* 014 . -"* 0 1+ $4#0 25+*$0 ,4;1
'0 0"

"* 1+ $"#+* ,+#/4-10#+ 0/"#0E 2+*+ . ,+-:"4 " '0;01
. +-1+ " 9-+ 0 *"' +202+ ,#" . +$$+4X

10 . " '+#$"* 2+ 9-+#$"2"* #+*, "-2+#0"< 0" *2 . +-$+ ,#++-':+4
 ,#" . . +1 2"(. 0* " . 4 $" 01+ . (,0#0 /1"# 0 20* 1+1$#0* ,0$# 0*(+
'"-3+- +-' 0* 20 ' 31 *0)0" 2"* ,"#$4/4+G+*
0 "1 ' -0 $N,"/#0, : +* 20 *"' +202+ *0 #0 . (01+ . 2"
2 +#+-$+* ";#0*(20* 940+* -"* 1+ . ;#0 . 0/"#0 0* *+/4 -$+*<
: 2" *# 3 *'"-2+ 2+ "#" . +-:0
2: 2+ "*+ +##+ #0 "#/+*
8* : % "#2+-02","# 2+
. * : 2+ 1+80-2#+ #'410-"
" . # * 3
) . 2+ -$"- " +1 ' 0-" 2+ 0*$1:"
% - , +1" ,02#+ #0-' *'" "*+
#+ #+ R: '
% , * *
* BA667 (" ,02#+ 0-4+1 "2 -:" BI S +2 '0"
% &/'> < >*
"# /-0' " G0## " 2+ "#0+* 0# . +-$"
% D 8 2+ 4 G 20 130 "4* -:" 2+ 1;494+#94+

2 #+''0" 20 *"' +202+ " 04'1"# *020(,+10 ,"#$0# 0 2+ I6 2+ c4P
:2 2+ AC7C(,0#0(+80 . -0#('"-*41$0# + +8$#0 # 2"* '"2 '+* + . 0-4*
'# ,$"* 20 ;1 "$:+'0 0' "-01 2+ *;"0 " 94+ :+ ,0#+'+**+ 4$1(-
$+#3 -2" *+ . ,#+ " '"-:+' . +-$" 2"Z ; ;1 "1:+'0# " . 2#("4 2" #+*,+R
'$ 3+ '"-*+#302"#(+ '" . *4F+ '0" D* 2+$+# . -0/"+* 2"* 0#$ /"* VC S +
VW S 2" #+/410 . +-$"
+3 0 +-1+-2+# *+ 94+ " ,# -' ,01 . "1 5" 25+*$0 '"-'+**0" +#0 "
2+ 341/0# *0# "* '"-:+' . +-$"* *' +-$ '"* +-$#+ "* ,"#$4/4+G+*E ,0#0
 94+ ,4;1 '0# 0 0 *"' +202+ 940-$"* +8$#0'$"* :+ . - *$#030 094+11"
'", "*" +*$0;+1+' . +-$"
; ;1 "$:+'0 *+# 0 -2+ . - *020 2" 301"# + . 94+ 1 '0**+ . ,#+F4

2 '02"*' "*' ";F+'$"*' '"-*41$02"*' +' ,4;1 '02"*(' ,"#' 94019 +# .+ "' 94+' *+' '"-3+-' "-0**+' +-$#+' 0' *"' +202+' +' "' '"-*+1:"' 02 - - *$#0$ 3"' 20' ; R ;1 "$:+'0

.' 7?' 2+' -"3+ . ;#"' 2+' AC7C' " ' "4' 0' 2 #+' 0"' 0"' ; ;1 "$:+'0# "' . "#(' ,#",'-2"' '+2+#(' + .' ;+-+ ' "' 20' ; ;1 "$:+'0(' D?' +8+ . ,10#+*' 2+' '020' . 0-4*'# ,$"' 90+' ,4;1 '0**+E . 0*' "' '"-*+1:"' 02 . - *$#0$ 3"' 20' ; R ;1 "$:+'0' +8 / 0' 0' 940#10' ,0#$+' 20' +2 '0"

#0' 7?' 2+' F4-:"' 2+' AC7W' 2 G 0' 0' 2 #+'/0"(' 94+' $+-2"' F41/02"' ,#+R F42 ' 01' +' -02 . ** 3+1' 0' '"-2 /0"' ,#"," $0' ,+1"' '"-*+1:"' 20' ; ;1 "$:+'0' #+94+#+#0' 0"/"3+#-"(' 94+(' "4' 02 . $$ **+' 0' ,#","*$0' 2"*' D?' +8+ . ,1 0' #+*(' "4' *+' ,"G+**+' 0' '"-'4#*"0' ,4;1 '0/0"' 2"*' -+2 1"*

5094+110' 20$0' 0 -20' "' /"3+#-"' -0"' $ -:0' #+*,"-2 2"

#0' AV' 2+' 2+G+ . ;#"' 2+' AC>>' 2+4' 0' 2 #+'/0"' '" . "' ,#"3020' 0' 01$0' 2+' *4;* 2 +*' ,0#0' "' '4*$+0#0+-$"' 2"' ' -"' 0--"' 2+' AC>D

.' W' 2+' 0;# 1' 2+' AC>D' 2+'10#"4' 4 . 0' '" . . **0"(' +1+ $0' ,+10' 0**+ . ' ;1+0' /+#01' 20' "' +202+' #",0/02"#0' 2"*' "-:+' . +-1"*' 1+ *(' 94+' "' ' -0"' ,"2 0' '"-$ -40#(' -+ .' '" . "' + . ,#+*0' 1 1$+#0# 0(' -+ .' '" . "' + . ,#+*0' . +#'0-$ 1

'

$41-*' ;0*$0-$+*' #+'" . . +-20 .' 0*' *"' +202+*' 0/# '"10*' ,0#0' 1/4' #0#+#0' -0' *+# +' 20*' -*$ $4 /"+*' +*,+' 09*' 2+' -*$#4+/0"' ,4;1 '0

' *+4' ";F+'$"' '$+-1+-2+#' -"' +*$42"' +' ,#",0/0/0"' 2"*' '"-:+' . +-' $"*' 0/#"-" . '"*(' 2+' 94+' 2+,+-2+' "' #0+1:"#0 . +-$"' 20' 0/# '41$4#0(' ,# -R ' ,01' "-$+' 20' # 94+G0' -0' "-01 *

1+ .' 25 **"(' 0*' *"' +202+*' 0/# '"10*' +' 0*' '" . . **"+*' 1 0+*' *0"' +-'0##+/020*' 2+' "##00#' 4 . 0' ; ;1 "$:+'0' +*,+' 01(' +' - . 0' ;11+'/0"' 2+' +*$0 . ,0*(' 2"' . "2+1"*(' +' 2+' -*$#4 . +-$"*' 0/#0# "*

' 1-01#0+-$+' *0"' #04 $"' ,"2+#"*0*' ' #'4#0*$0-' 0*' 0*' #+10/"+*' + .' 94+' +*$0*' *"' +202+*' +*$0"' '" .' 0*' 8 ' ' **0*' #+10/;+*' *0"' '#+020*' ,+10' -0$4#+G0' 20*' '" *0*(' +' 1 # . 020*' 0$+' ,+10' 2 *,"* /0"' 2"' 0#' $ /"' W? S' 2"' 2+'#+$"' '" .' "#)#' 2+' 1+' 2+' I?' 2+' *+$+ . ;#"' 2+' AC>>(' 94+' :03+ . "*' 2+' #+/ *$0#

"#' -2 *,+-*03+1' $+#0"*(' ," *(' "'' 4,0# . "' -"*' '" .' +*$0' . ,"#$0-$+' +-$ 202+(' 0,#+*+-$0-2"' 0' -2 '0/0"' 20' 1+/ *10/0"' 94+' 0' #+/+' +' #+/410(' +' 0*' '"-3+- +-$+*' -"$ ' 0*' +' '"-* 2+#0/"+*

-4 . ' A7 S(-'4 . ; 4' 0"* /"3+#-02"#+* ' 3 * "' +-'0#/"' 2"' *

+ 4' 2+," * "' 2+'#+$"' '" . ' "#'0' 2+' 1+' 2+' I?' 2+' *+$+ . ;#"' 2+' AC>>(
' 9401' '0#0'$+# *" ' #00 * 2+1+# . -020 . +-$+' 0' -' . ;+-' 0' +80#020' -"
'"2 /"(2 *,"-2"' "' *+/4 -1+E

K #1 /"' CW S J .' '020' 4 . 0' 20* '0, 10+* 2"' 2 *1# '1"' :03+#0' 4 . 0'
' '" . ' "' .' 2+' 341/0# *0# "* '"-:+' #0+-$"* +' . + "*
02+9402"* ,0#0' "' . +1;"#0 . +-$"' \10 0/# '41$4#0

K]' 4- '"' *$0* *"' +202+*('" . ,"*$0* 2+' ,+**"0* -1+11 /+-$+* +'
G+1"*0* 2"* ,\#"/#+**"* 0/#"-" . '"* *+# "' ,#+* 2 20* ,+1"* /"3+#-02" '
#+* ' 3 *(+' $+#0"' ,"# *+-* +"##+*,"-2+-$+* "* . + . ;#"* 20* F4-$0* /+'
#0+* 2"* 2 *$# '$"*("* 02 . - *$#02"#+* 2"* '"-'+1:"*(+' "* . +2 '"* +'
' #4#/ "+* 2+' ,0#$ 2"' 20* '0 . 0#0* . 4- ' ,0+*

K #1 /"' W? S J *'+*'"10* 0/#" . '0* +-3 0#0"' 0--401 . +-$0' 0'1"20*
0' "' +202+* /# '"10* 4 . 0' +8,"* '0"' 2"* ,#"/#+**"* 20' *40' 02#0 - *Z
$#0 0"(#+#-/1$+-2" 1:+*(*+ . ,#+' 94+' "#',"** 3+1(0* *+ . +-1+* +' . "2+'
1"* 2"' 940+*94+# ";F+'$"*(94+' '"-3 +# 341/0# *0# H

0* *6' ,0**02"* 2+G' 04-"* *+' 2+1 ;+#"4' "' /"3+#-"' 0' 20# 01/4 . 0'
,#"3 2+-' 0' ,0#0' 94+' "* 0,"-$02"* ,#+'+ $"* 2+ 80**+ .' 2+' *+# 1+1$#0'
. "#$0(+' ,"2+**+ .' '"-3+#1+# *+' + .' #+01 202+* ,#"3+ $"*0*

?' 2+'#+$"' 2+'4I7' 2+' -"3+ . ;#"' 2+' AC7>' 2+*+-3"13+4' +' #+/41"4' 0*
2 *,"* "+* 2"' 0#1 /"' II> S(-4 . ' A7(2"' "2 /"' 2 . - *$#0$ 3"(+' 2"*
0#1 /"* CW S' +' W? S' 2"' 2+'#+$"' 2+' I?' 2+' *+$+ . ;#"' 2+' AC>>

$0;"1+'+4' +')#. "4' 0' "#/0- *0/0"' +' '"-*$ 14 /0"' 20 *"' +202+*
0/#'"10*E 8"4' 0* 4-'/"+* 20* #0+* . 0* +' 2"* '"#,"* 94+' +110* +1+/+ . E
2+$+#. -"4' 0' ,#"'+2+-' 0' +' 0,,1 '0/0"' 2"* #+*,+2 3"* 4-2"*E 2+4' #+'
/#0* *";#+' 0' "#. 0/0"' 2+' #+10$"# "*E 0**+-$"4' "' ,# -' , "' 20* -* 2'
' '#+"4 ' #+/41"4' 0* '". **;+* 1 0+* -"* '"-'+1:"*E
+(-01 . +-$+(2+4' 01/4 . 0* ,#"3 2+-' 0* /+#0+*($+-2+-$+* 0' 1"#-0# + '
+'$ 30' 0' "#/0- *0/0"' 20* . +*$:0* *"' +202+*E

-1#+0* * ' 0,"-$0#+#0"* 01/4 . 0* 94+' -"* ,0#+'
'+ .' . 0 * -$+#+**0-$+*

A' S 4;1 '0# 0' "' /"3+#-"' 0--401 . +-$+' "' ,#"/#0 . . +' 2+' 01/4-* 0*'
4 . ,$"(0'+#'0' 2"* 940+* 2+*+F0**+' "43 # 0* *"' +202+*E *+ .' ,#+F4 G"'
20' +*'"1;0' 2+' "4$#"* 0**4 . ,1"* 94+' 0' +*$0* "4' 0* *40* *+'/;+* 0,#"4'
3+**+' #0$0# Z

I' S 8$#0"#2 -0# 0 . +-1+' ,22+# 0' "' /"3+#-"' . 0-20# #+4- # 0* *"R
' +202+* ,0#0' *+' $#0$0# 2+' 01/4#0' ";F+'$"' #+10$ 3+' 1 -24*$# 0' 0/# '"10
7' S . ,#+/0# 0 .' 0* *"' +202+* "' . 0 "# '4 202"' + .' "#. 0# 4 . 0

; ;1 "$:+'0 0/# '"10(+ʿ 4 . 0 '"11+'/0"ʿ 2+ʿ +*$0 . ,0* +(. "2+1"* 2+ʿ -*$#4 ʿ . +-$"* 0/# '"10*

"2+# 0#0 0* *"' +202+*(-"ʿ #0 20 *-0 *+**0"ʿ 0--401(#+'" . . +- ʿ 20# 0"ʿ /"3+#-"(2ʖ+-$#+ʿ "* *"' "* 94+ʿ +110 * 2+'10#0**+#0 ;+-+ . +# 1"*(094+11+* 94+ʿ F41/0**+ . ʿ 2 /-"* 2+ʿ #+'" . ,+-*0 :"-"# '0(1+-2"ʿ +#0 0$ʿ $+-/0"ʿ 0 *40 ,"* '0"ʿ *"' 01

"3ʿ ?ʿ 2+'#+$"ʿ ,#": ; 0 +8,#+**0 . +-1+ʿ 94+ʿ 0* *"' +202+*+ʿ 0* *40* '" . . **"+* 1 0+* $#0$0**+ . ʿ 2+ʿ 0**4 . ,$"* +*$#0-:"* 0"ʿ *+-ʿ -*$ 4"

0-2"ʿ 2* *"' +202+* 4 -ʿ '+#$"ʿ '0#0'$+# " ' 01(#+'"-:+' 0 0 -2 * ʿ ,+-*0; 1 202+ʿ 2+ʿ ,2# 2 *40 2 *,"*)0"ʿ 4#-ʿ +2 2' "ʿ "-2+ʿ '+1+;#0**+ . ʿ 0* *40* #+4- "+*(+ʿ ,#" . +$$ 0 ,#;3+# * 2+*,+G0* 2"ʿ +8,+2 +-$+

. ʿ 7?ʿ 2"ʿ . +* . "ʿ . +G +ʿ 0--"ʿ 2"ʿ #+/410 . +-$"ʿ " ʿ 2 # / 2"ʿ 0"* /"3+#-02"#+* ' 3 * 2"* 2 *1# '$"* 4#-ʿ " ' "ʿ ' #'410#(-'-9401 *+ʿ +8,1 ʿ '030 '" . ʿ 0 -+'+**0# 0 '10#+G0 "ʿ 01'0-'+ʿ 20* 2 *,"*)"+* 2"ʿ . +* . "ʿ #+R /410 . +-$"

ʖ+**+ʿ " ' "(0** /-02"ʿ ,+1"ʿ 2 #+'$"# /+#01 -$+# -"ʿ 2"ʿ '" . #0+# ʿ ' "ʿ +ʿ -24*$# 0 J #+,0#$ /0"ʿ 20 0/# '41$4#0(Z +-'"-$#0 . "* 2"$* +-4-' 0 ʿ 2"* 94+ʿ ;+ . ʿ 2+*+F0#0 . "* +*1 3+**+ . ʿ 2+ʿ '"-$ -4+ʿ ,#+*+-1+* ʿ2 '"-* 2 ʿ #0/0"ʿ 2"* ,"#$4/4+G+*<

0 + . ʿ 243 20(-0"ʿ 2+*'"-:+'+ʿ ʿ 8 Z(94+ʿ 0* 0**"' 0/"+* 2+ʿ 0/# ʿ '41$4#0("#/0- *020* -"* ,0 G+* +411"*("4 ,"# . ,41*+ʿ 2"ʿ /"3+#-"("4 ,"# 4#-ʿ . "3 . +-1"ʿ +*,"-$0-+"ʿ 2"* ,#",# +$0# +* +ʿ 0/# '41$"#+* 20*1" ʿ '01 202+*($++ . ʿ + +'$ 30 . +-$+ʿ +8' $02"ʿ 0* $+-2+-' 0* ,0#0 "ʿ +*$42"(+ʿ -3+*$ /0/"+* 2"* . +1:"#0 . +-$"* 0/# '"10*(#+*"13+-2"ʿ . ,"#$0-$+* ,#" ʿ ;1+ . 0* 2+ʿ 0/#"-" . 0 +ʿ 2+ʿ +'"-" . 0 #4#01(+ʿ + . ,#+/0-2"ʿ 0** 24"*(,+#*+#3+#0-$+* +ʿ 30# 02"* +* "#/"* ,0#0 $ #0# 2"ʿ *+ "ʿ 20 $+##0 "* -+8 ʿ /"$03+ * :+*"4#"* 20 *40 ,#"24'/0"ʿ ,+1"* . +$:"2"* . 0 * 0,+# + /"0 ʿ 2"*(. 0 * * . ,1+*(+ʿ . +-"* 2 *,+-2 "*"*

K?ʿ -"**"ʿ ,0 G(,# 302"ʿ 2+*2+ʿ *+ . ,#+ʿ 2"* ,"2+#"*"* 048 1 "* 2ʖ+* ʿ $0* -*$ $4 /"+*(2+3+ʿ 4 . ʿ 2 0 ʿ 3"G '10 . "#"*0 2"ʿ ,4;1 '"(+ʿ ,0#$ '410# -$+#+**+(2+ 80# "* :0; $"* 20 *40 -2"1+-' 0(+ʿ 0'42 # 0 4 . ʿ ':0 . 0 ʿ . +-1"ʿ /+#01(20-2"ʿ $+*$+ . 4-1 "ʿ 2+ʿ 94+ʿ +*1 ʿ 2 *,"*$"ʿ ,0#0 *+ʿ 0,#" ʿ 3+ $0# 2"* /#0-2+* #+'4#*"* 94+ʿ "1 +#+'+ʿ "ʿ -"**"‖ +#$ 1ʿ +ʿ 0;+-/"02"ʿ *"1" W

0"ʿ +ʿ ", ,"#$4-"ʿ 0,#+' 0# 094 ʿ "* #+*41$02"* 94+ʿ $13+#0 . ʿ 0* ,#" ʿ 3 2+-' 0* 2+'#+$020* + . ʿ ACD>(*+ . ʿ '" . $42"ʿ 2+*'"-:+'+# . "* 0* /#0-R 2+* '"-3+- +-' 0* 2+ʿ $0ʿ 0,#+' 0/0"($013+G 0$2 '" . "ʿ +*$. 41"ʿ ,0#0 "ʿ 4$4#"ʿ ?ʿ 94+ʿ 2" 80 . "* 0,"-$02"ʿ +ʿ ;0*$0-$+ʿ ,0#0 20# -"$ ' 0 2"ʿ . "2+

J ˢ D77ˢ J

,"#90+ˢ "ˢ 2+*+-3"13 2"ˢ 4#0ˢ ,+-*0#0+-$"ˢ 94+ˢ #+ . "-$030ˢ 0"ˢ 0- -"ˢ 2+ˢ AC>I(ˢ
'" . "ˢ 3 . "*ˢ :0ˢ ,"4'"

+ . "*(ˢ ,"#+#0(ˢ 0ˢ /#0-2+ˢ *0$ * 0 0"ˢ 2+ˢ '" . . + . "#0# "ˢ +*10;+1+' ˢ
. +-$"ˢ 2+ˢ 4 . 0ˢ *"' +202+ˢ 0/# '"10(ˢ 94+ˢ 2+3+4ˢ 0ˢ *40ˢ +8 *$+-' 0ˢ 2ˢ - ' 0ˢ
$ 30ˢ ,0#$ '410#(ˢ +ˢ ,"#ˢ . 4 $"ˢ $+ . ,"ˢ 1"#+'+4ˢ +#0ˢ 4 . 0ˢ 20*ˢ . 0 *ˢ ;+110*ˢ +ˢ
# '0*ˢ ,"**+**"+*ˢ ,"#14/4+G0*

1142 . "*ˢ 2ˢ ˢ ˢ ˢ ˢ 5 ˢ 94+ˢ
0* J $0#2 0* J 2 *,"* /"+*ˢ 2"ˢ #+/410#0+4$"ˢ 2+ˢ I7ˢ 2+ˢ -"3+ . ;#"ˢ 2+ˢ ACD>ˢ
+-2"-$#0#0 . ˢ F2ˢ '"-*$ $4 20(ˢ +ˢ +#0ˢ $+##0"*ˢ 2+ˢ *+ˢ 0,#+*+-$0# '" . "ˢ +8'+1ˢ
1+-$+ˢ #0"2+1"ˢ ,0#0ˢ 0*ˢ 0**"' 0/"+*(ˢ 2+ˢ +/401ˢ -0$4#+G0(ˢ 94+ˢ :"43+**+#0ˢ 2+ˢ
*+#ˢ '#+020*ˢ ˢ 3"Gˢ 2"ˢ /"3+#-"

0 . ;+#,ˢ 2+," *ˢ 20ˢ *"' +202+ˢ 94+ˢ $ -:0ˢ 0ˢ *40ˢ * +ˢ + . "-10ˢ +1ˢ
/020(ˢ 2 #+ . "*ˢ 240*ˢ ,0103#0*ˢ 0ˢ #+*,+ $"ˢ 20ˢ 94+ˢ -0ˢ 1:0ˢ 20ˢ 02+ #0ˢ "ˢ
'#+020(ˢ #04 $"ˢ $+ . ,"ˢ 0-$+*ˢ 2+ˢ ACD>

ˢ I ˢ ˢ ˢ ?

"ˢ +*$0ˢ 0ˢ ,# -F+ #0ˢ *"' +202+ˢ 0/# '"10ˢ 94+ˢ *+ˢ +*$0;+1+'+4ˢ -"*ˢ 2"R
. - +*ˢ ,"#$4/4+G+*(ˢ +ˢ ;+#0ˢ . +#+'+(ˢ ,"#ˢ **"(ˢ 94+ˢ ˢ +8,"* /0"ˢ 20ˢ *40ˢ
: *$"# 0ˢ '"-*0/#+ . "*ˢ 4 . ˢ '0, $41"ˢ +*,+' 01

. ˢ -"$03+1ˢ #+10$"# "(ˢ 20$02"ˢ 2+ˢ 7?ˢ 2+ˢ -"3+ . ;#"ˢ 2+ˢ ACV7(ˢ 94+ˢ
01 *ˢ *+ˢ 0," 0ˢ :"ˢ ˢ 5 ˢ 2+ˢ I?ˢ 2+ˢ "4$4;#"ˢ 2+ˢ AC>7(ˢ +ˢ
-"ˢ #+10$"# "ˢ 2+ˢ A?ˢ 2+ˢ 2+G+ . ;#"ˢ 2+ˢ AC>V< 094+11+ˢ 2"+4 . +-1"(ˢ 2 G+ . "*(ˢ
-"*ˢ " +#+'+ˢ 01/4- 0*ˢ -"$ ' 0*(ˢ 94+ˢ :03+#0"*ˢ 2+ˢ 0,#"3+ 10#ˢ ,"#ˢ +-$#+ˢ
"4$#0*ˢ 94+ˢ 2 3+#*"*ˢ *4;* 2 "*ˢ -"*ˢ . - *$#0#0 .

K "ˢ 2 0ˢ ACˢ 2+ˢ 0-+ #"ˢ 2+ˢ AC>7(ˢ 2 Gˢ "ˢ #+10$"# "ˢ 2+ˢ ACV7(ˢ #+4- ˢ
#0 . *+ˢ 01/4-*ˢ ;+-+ . +# $"*ˢ ' 202 "*ˢ 2+ˢ "-$0ˢ +1/020(ˢ +ˢ 0**+-$0#0#0ˢ
+ . ˢ 4-20#ˢ 4 . 0ˢ *"' +202+ˢ 94+ˢ 3+10**+ˢ ,+1"ˢ 2+*+-3" 3 . +-1"ˢ 20ˢ -"**0

dˢ #2#,+ &ˢ B&# 20 ˢ '%#ˢ @0ˢ ˢ " 6 ˢ " 1 + &, 0, / ˢ "#ˢ AC76ˢ +#% 1 B 0ˢ &ˢ
0" 1 + &, 0" #&ˢ 6# 0#&ˢ "#ˢ $ 1 2# ˢ '%0+, ˢ &# ˢ $ "#&&#ˢ #1ˢ &#%&ˢ " &, *, &ˢ
0 ˢ 1 #+ &ˢ +0ˢ *0$,0)ˢ "-#))#&ˢ ˢ #&)0B#)#* 1 #+,Bˢ "#ˢ ˢ ˢ ˢ (2ˢ
ˢ $0 0ˢ 0+ 0060 ˢ #ˢ $,#*60 ˢ "0&ˢ 0 ,#&ˢ " ˢ * 1 1 # * ˢ #ˢ "0ˢ < ˢ
& ˢ 77L Mˢ [ˢ 7 MF
ˢ % ˢ * ˢ ˢ ˢ ˢ ˢ < ˢ 5 ˢ
* ˢ ˢ ˢ ˢ ˢ 7?ˢ ˢ ˢ ˢ ACV7ˢ 8 ‖
ˢ 0&& 6+0" ˢ $#) &ˢ & &ˢ * +"#ˢ "0ˢ I 0 0ˢ "0ˢ *, 0ˢ 0+%#)ˢ %6%&, ˢ +,Hˢ
B# ˢ %)(# 1 #ˢ 0*(0" ˢ "#ˢ 0 0ˢ +ˢ " ˢ 0#,0+ ˢ 2+ˢ -2#02+ˢ 1;494+#94+

J ˢD7Nˢ J

0/# '41$4#0(,+1"ˢ . +1:"#0 . +-$"ˢ 2"*ˢ /02"*ˢ -*410#+*(ˢ * ˢ + ˢ
ˢ ˢ ˢ * * ˢ ˢ ˢ *$"ˢ ,"#ˢ +8,+# +-' 0*ˢ $"-ˢ
$020*ˢ - 4.ˢ '0 . ,"ˢ 2+ˢ +-*0 "*ˢ 0/# '"10*(ˢ * ˢ ˢ ˢ ˢ ˢ
ˢ ˢ ˢ ˢ ˢ ˢ$ ˢ ˢ ˢ "-2+ˢ "*ˢ 0**"' 02"*ˢ
+-'"-1#0**+.ˢ 0 . 0"ˢ ˢ * ˢ ˢ ˢ ˢ ˢ ˢ ˢ +ˢ "ˢ
,4;1 '"ˢ 04 +# **+ˢ 0*ˢ 30-$0/+-*ˢ 94+ˢ $"20*ˢ 0*ˢ ;"0*ˢ '04*0*ˢ $ #0.ˢ 20ˢ ,4ˢ
;1 ' 202+ˢ 2"*ˢ ,# -' , "*ˢ +.ˢ 94+ˢ 0**+-$0 . S
0"ˢ $0#2"4ˢ . 4 $"ˢ 94+ˢ +**+*ˢ ;+-+ . +# 1"*ˢ ' 2020"*ˢ '"-*+/4 **+#0ˢ
"# . 410+ˢ "*ˢ +*$0$4$"*ˢ 20ˢ *"' +202+ˢ 94+ˢ ,#+$+-2 0.ˢ 4-20#
ˢ ,#"30ˢ +3 2+-$+ˢ 2+ˢ /#0-2+ˢ +#3"#ˢ ,0$# "$ '"(+ˢ 2"ˢ . 0 *ˢ 3 3"ˢ $ ˢ
$+#+**+ˢ ,+1"*ˢ . +1:"#0 . +-$"*ˢ 20ˢ 0/# '41$0#0("ˢ 0'$"ˢ 2+ˢ *+#+.ˢ ,4;1 '0ˢ
2"*ˢ "*ˢ +*$0$4$"*ˢ 1"/"ˢ +.ˢ 2 2+ˢ +3+#+ #"ˢ 2"ˢ -2 '02"ˢ 0--"ˢ 2+ˢ AC>7
+ . "*ˢ 0 3 *$0ˢ +**+*ˢ +*$0$4$"*(+ˢ 25+11+*ˢ $#0-*'#+3+#+ . "*ˢ 0*ˢ 2 *,"ˢ
*)"+*ˢ 94+ˢ 20"ˢ 2+0ˢ 2"*ˢ -*ˢ 0 94+ˢ *+ˢ ,#",4-:0ˢ 0 *"' +202+(+ˢ 2"*ˢ ;+ˢ
-+ ' "*ˢ 94+ˢ 20*ˢ *40*ˢ 1 20*ˢ ,"2 0.ˢ #+*41$0#
ˢ ˢ ˢ "' +202+ˢ #" . "$"#0ˢ 20ˢ /# '41$4#0ˢ
':0+1+-*+ˢ B'" .ˢ 0 *40ˢ *+2+ˢ -0ˢ ' 202+ˢ 2+ˢ "-$0ˢ +1/020
4 ˢ ˢ , ˢ ˢ * * ˢ #" . "3+#(,"#ˢ $"2"*ˢ "*ˢ . + "*ˢ 0"ˢ *+4ˢ
01'0-'+("ˢ . +1:"#0 . +-$"ˢ 20ˢ 0/# '41$4#0ˢ 20ˢ 11 0ˢ 2+ˢ ˢ /4+1
<ˢ ˢ ˢ ˢ ˢ ˢ +#ˢ 1 3#+ˢ +-$#020ˢ -"ˢ
/0; -+$+ˢ 2+ˢ 1+ $4#0(+ˢ + .ˢ "4$#"*ˢ 940+*94+#ˢ +*$0;+1+' . +-$"*ˢ 20ˢ *"' +R
202+
ˢ * ˢ ˢ ˢ 2Sˢ # / #(,"#ˢ *ˢ "4ˢ ,+1"*ˢ . + .ˢ
;#"*ˢ 20ˢ *"' +202+($"2"*ˢ "*ˢ $#0;01:"*ˢ 0/# '"10*(+ˢ 940+*94+#ˢ +8,+# +-R
' 0*ˢ '"#0,+$+-$+ . +-$+ˢ 2+1 ;+#020*
I Sˢ ,#+*+-$0#ˢ ˢ *"' +202+ˢ -0ˢ *+**0"ˢ "#2 -0# 0ˢ 2"ˢ . +Gˢ 2+ˢ -"3+ .ˢ
;#"(+ˢ 0-$+*ˢ 20ˢ ,#"30ˢ 20ˢ -"30ˢ 2 #++/0"(4.ˢ #+10$"# "ˢ ' #'4#0*$0-' 02"ˢ
2+ˢ $"2"*ˢ "*ˢ $#0;01:"*ˢ + $"*ˢ 24#0-$+ˢ "ˢ 0--"ˢ 20ˢ *40ˢ 02 . - *$#0/0"
9 $ ˢ ˢ ˢ 42"ˢ 940-$"ˢ 2 Gˢ #+*,+ $'ˢ 0 0/# '41$4#0ˢ + .ˢ /+ˢ
#01(+ˢ + .ˢ ,0#$ '410#ˢ 0"ˢ *+4ˢ . +1:"#0 . +-$"ˢ -0ˢ 1:0ˢ 2+ˢ ˢ /4+1
ˢ 6 ˢ ˢ 2Sˢ +1 ;+#0#ˢ *";#+ˢ 0 940-$ 202+ˢ +ˢ
9401 202+ˢ 2+ˢ *+ . +-$+*(,10-$0*(. 0': -0*(-*$#4 . +-$"*(4$+-* 1 "*ˢ 0/# R
'"10*ˢ +ˢ 1 3#"*ˢ 94+ˢ 2+3+#+ .ˢ . 0-20# *+ˢ 3 #ˢ 2+ˢ "#$4/01("4ˢ 2+ˢ 9401ˢ
94+#ˢ ,0 Gˢ +*$#0-/+ #"
I ˢ Sˢ +1+# . -0#ˢ 0*ˢ '41$4#0*ˢ +ˢ +8,+# +-' 0*ˢ 94+ˢ :"43+#ˢ 2+ˢ *+ˢ 0G+#Eˢ
+ˢ -2 '0#ˢ "*ˢ . +$:"2"* 94+ˢ "#ˢ '"-3+- +:$+ˢ *+/4 #ˢ + .ˢ 4 . 0*ˢ +ˢ "4$#0*
7ˢ Sˢ +2 #ˢ (0"ˢ /"3+#-"(0*ˢ '"#1+*("4ˢ 0 940+*94+#ˢ 04'$"# 202+*(0*ˢ
,#"3 2+-' 0*ˢ 94+ˢ F41/0#ˢ '"-3+- +-$+*ˢ 0 03"#ˢ 20ˢ 0/# '41$4#0ˢ . ':0+1+-*+
>ˢ Sˢ .ˢ /+#01ˢ '" . ,+$+ .ˢ >ˢ *"' +202+ˢ 0 2 *'4**0"ˢ +ˢ 2+1 ;+#0/0"ˢ 2+ˢ
$42"ˢ 940-$"ˢ ,#"8 . 0ˢ "4ˢ #+ . "$0 . +-$+ˢ +*$ 3+#ˢ 1 /02"ˢ '" .ˢ "ˢ *+4ˢ)#0

-20 +- ' "4$#" *+-1 2" -$+#+**0 . ' "* +*$0141"* 94+ $+ . ,* +8$#0'102"E + 3+ . ' 0 *+#(94+ ' ,+10* 0** / -0$4#0* 25+11+* '0 . "* :0; ' 1 $02"* 0 ' " . . +#0"#0# "* -" . +* 2"* . ' :0+1+-*+* ;+-+ . +# 1"*(94+ 0-R $+* 20 ' "- *$0$4 /0" " ' 01 20* *"' +202+* 0/# ' "10* 1 3+#0 . ' 0 +1 G 1+ . ' ;#0-/0 2+ - ' 0#($0" 2 *('#+$0 + 02+94020 . +-$+(4 . ' /#0-2+ . +1:"#0 ' . +-$" 20 *40 ,0$# 0

**+* -" . +*(94+ 2+3+ . ' +0# +#0 0/#02+' 20 #+' "#20/0" +-$#+ "* ,"#14/4+G+*(*0" "* *+/4 -1+*<

"*+ 0' "#0+ "##+0E "0" "*+ 2+ . 0#01E "*+ 0+$0- 0* 2" 0-$" +2+ #"*E 0' -$" + #0E ' "10 F -$"- " "#/+* +$$+-' "4#$E 0+$0- -$"- " 2+ +11"E "0" 13+*$#+ 0G 0' :+' " 2+ 0*$ "E - 2#6 2" 0-$;E "*+ 2" 0-$"E #0-' *' " 0' :02" 2+ 0# 0 + 0 0E "*+ +#+ #0 "$+1:"E 4 G)4 -$ -" 2+ /4 0#

' +*$+ ,#", "* $" 2+3+ . "* #+/ *$0# 094 ' 0* -"$ ' 0* +8,+' 0+* 94+ 0 #+*,+ $" 2+ 2" * 25+*$+* . ' :0+1+-*+* 2+4 4 . ' *+4 ,0$# ' "(" 2 *$ - ' '$" :" . + . ' 2+ 1+$$#0*("*+ 2+ "##+*

$+ 41$."(+ . ' 4 . ' 0#$ /" 94+ +'#+3+4 ,0#0 " # ' 3 2 * ' '" . ' " $ $41" 2+ B ' : ' 0,#+*+-$"4 "* *+/4 -$+* +*'10#+' . +-$"*<

K " . ' *+4 # . 0" " 2 /-" + 114*$#02" -2# ' 2" 0-$"(94+ " ' /" ' #+#-02"# ' 3 1 2" 2 *$# '$" 2+ "-$0 +1/020(+ 0 94+#-' 0 #0"#$+ '+ "4) ' . 0 * 3 #+-1+* 2 0* 20 3 20(1+3+ 0 #00 "# ,0#$+ -0 4-20/0" 20 " ' +202+ #" . "$"#0 20 /# '41$4#0 ' :0+1+-*+(94+ $0-$"* *+#3 /"* ,#+*$"4 ' -24*$# 0 1" '01E 94+ *+#3 4 2+ +*$. 41" + . "2+1" 0* 2+#00 * 0**"' 0/"+* 0/# ' "10* 94+ 2+," * *+ ' "-*1 $4 #0 . E + 94+ #+01 *"4 0 ,4 ;1 '0/0" 2+ 4 . 0 #+3 *$0 0/# ' "10 . +-*01(' " . " "#$4/01 *" . 4 $" 2+R ," * $+3+

$ "*+ 2" 0-$" " *+ . ,#+ 0 01 . 0(0 "#/0(" . "$"# 20 *"' +202+ 2+ 0/# '41$4#0(+ ," # . 4 $"* 0- -"* *+4 *+'#+$0# " * $#0;01:"* *"' + 10# "* + *' +-$ '"* 94+ 25+11+ :0 ,4;1 '02"* -" 5 . "*$#0 . -" '10#0 . +-$+ H

, "# 940-$" *+ 0G . +-/0" 2" 5 #+/ *$0#+ . "* $0 . ;+ . ' 0* -"$ ' 0* 94+ 0 #+*,+ $" 25+*$0 ,4;1 '0/0" . +-*01 -"* D0" . - *$#020* ,+1" . +* . " "*+ 2+ "##+*E

K *$0 ,4;1 '0/0" 2+*1 -020 0 02N"/0# "* -$+#+**+* +' "-"#0 '"* + . +1:"#0- +-$" 20* ,#0$ '0* 0/# ' "10* 20 ,#"3 :+ 0(-0*'+4 20 "' + 102+ #" . "$"#0 20 /# '41$4#0 ' :0+1+-*+(+ " 4-2020(+ #+2 / 20 0# -' ,01 . +$+ ,+1"* *#* -2#+ + "*+ 2" 0-$" BA Z AC>7 AC>D 0 I S *+# + BAC>C 0 ACDI + +*$+3+ +-$#+/4+ 0 #+20+/0" 0" # 2+ 0*$1:"(94+ 01 0#' : 3"4 01/4-* $#0;01:"* 1 1$+#0# "* 04

*+"' 0ˢ $+ . ,"#0# 0ˢ 2+ˢ 4#-ˢ 2"*ˢ . 0 *ˢ 0** 24"*ˢ '"110;"#02"#+*ˢ 0ˢ +Gˢ -$+#ˢ #" . ,+#ˢ -2+-" 20 . +-$+ Z

0110# 0 . "*ˢ 0ˢ 4#-ˢ *0/#02"ˢ +ˢ . ,#+$+# 3+1ˢ 2+3+#ˢ 2+ˢ /#0$ 20"ˢ ,0#0ˢ '" . ˢ 0ˢ . + . "# 0ˢ 2+ˢ -$"- "ˢ +1 ' 0-"ˢ 2+ˢ 0*$ 1:"ˢ B2+," *ˢ 3 *'"-2+ˢ 2+ˢ 0*$ 1:"ˢ *+ˢ 0ˢ ,#","* 1"ˢ 2"ˢ 94+ˢ "ˢ 11-*$#+ˢ :" . +#0ˢ 2+ˢ 1+$1#0* +*'#+3+4ˢ -"ˢ ˢ 5 ˢ -0"ˢ 2+**+ . "*ˢ 0ˢ *+/4 -$+ˢ +8,1 '0/0" ";1 '"4ˢ ˢ *#ˢ 0*$ 1:"ˢ + . ˢ "-$0ˢ +1/020(-"ˢ 0--"ˢ 2+ˢ AC>W(4 . ˢ 1 3# -:"ˢ '" . ˢ"ˢ $ $41"ˢ 2+ˢ 4 ˢ * ˢ < ˢ Q 0* ˢ 94+ˢ ,#+'+2+ . ˢ"ˢ $+81"(*+ˢ 2+'10#+ˢ "ˢ 94+ˢ -"* ;0*$0ˢ ,0#0ˢ '"- # . 0# 0ˢ '"110;"#0'0"ˢ -$+11 /+-$+ˢ +ˢ G+1"*0ˢ 2"ˢ 2 *1 -'$"ˢ +*'# ˢ ,$"#ˢ ,0#0ˢ "ˢ #+ +# 2"ˢ ,+# "2 '"ˢ *ˢ "ˢ 94+ˢ 01ˢ *+ˢ 1+< K +4-ˢ ,0#0ˢ +*$+ˢ 1 3# -:"ˢ 01/4#00* 20* . -:0* 4$", 0*(,4;1 ˢ '020* + .ˢ 4 .ˢ ,+94+-"(. 0* ;"- ** ."ˢ ,+# "2 '"ˢ . +-*01ˢ ,#"3 -' 0-"(/ˢ ˢ 5 ˢ 0ˢ #0ˢ 2+ˢ 94+ˢ "ˢ "4$" . -"(94+ˢ 1 "ˢ '+2+ˢ 3+ . ˢ D* " :0* ,+# "2 '0*(-0"ˢ 2+*$#4 **+ˢ '" . ˢ +110* "* . +-* ,+-*0 . +-$"* 2+ˢ 0 . "# 2"*ˢ :" . +-*ˢ ˢ +**+* 0#$ /"* 01/4-*% "4$#"*(0 -20ˢ 94+ˢ ,"4'"*(0F4-$+ˢ 2+ˢ 2+-$ '0ˢ -0$4#+G0ˢ G . +ˢ 0ˢ '"-*' +-' 0(94+ˢ 0ˢ . 0 "# ,0#$+ˢ 20* . -:0* +*,+#0- 0* -5+*$0* ,0/ -0* 3+#0ˢ ,#+ . 0$4#0(+ˢ 94+ˢ ,"4'"* 25+*$+* ;"-* +ˢ *0-$"* 2+*+F"*("4ˢ -+-:4-*(*+ˢ #+01 *0#0"ˢ + .ˢ 3 20ˢ 2"* -"**"* -+$"*ˢ ˢ '"-*' +-' 0ˢ #+*,"-2"< 94+(*+ˢ +4ˢ $ 3+**+ˢ 2+ˢ 3 3+# 24ˢ G+-$"* 0--"* . 0 *("4ˢ *+ˢ 2509 4ˢ 0ˢ 24G+-$"* 0--"* :"43+**+ˢ 2+ˢ #+-0*ˢ '+#(2+ˢ ;"0ˢ . +-$+ˢ #+*+#30# 0ˢ ,0#0ˢ +-$0"(\ "ˢ 94"ˢ :"F+ˢ 0-$ ' ," S /"#0ˢ ˢ 94+ˢ ,+**"01 . +-$+ˢ -"* 2 Gˢ #+*,+ $" " . "* 2+3+2"# 2+ˢ ,#" 4-2"ˢ #+'"-:+' . +-1"ˢ 0ˢ -$"- "ˢ +1 ' 0-"ˢ 2+ˢ 0*$ 1:"(,+10ˢ ;"-#0ˢ 94+ˢ 0ˢ *40ˢ /+-+#"* 202+ˢ -"* +Gˢ 2+2 '0-2" -"*('" .ˢ +8,#+**"+* 0 +'$4"*0*("ˢ *+4ˢ 1 3# -:"ˢ ˢ 4 ˢ * ˢ 2 ˢ +-$+ˢ "ˢ -"**"ˢ '"#0'0"ˢ 4 .ˢ /#0-2+ˢ 011 3 "(+#0ˢ ,0 0# D . + . "# 0\ 2"ˢ :"-#02"# 20ˢ -"**0ˢ :4 . 1202+("ˢ $# ;4$"ˢ 20ˢ /#0$ 20"ˢ 94+ˢ :+ˢ '"-*0ˢ /#0 . "* +3+ . "*(-01#0+-$+F $" . 0# -"$0ˢ 2"ˢ 1ˢ % ˢ ˢ ˢ ,4;1 '0/0"ˢ 94+ˢ -0*'+4ˢ 20ˢ . +* . 0ˢ *"' +202+ˢ ,#" . "$"#0 "ˢ 01 . 0-0':ˢ ,0#0ˢ "ˢ 0--"ˢ 2+ˢ CDA(+ˢ -"ˢ 2+*$ -02"ˢ ,0#0ˢ "ˢ 0--"ˢ 2+ˢ ACD7(*0 4ˢ 4 .ˢ #0;01:"ˢ #04 $"ˢ -$+#+**0-$+('" .ˢ "ˢ $ $41"ˢ 2+ˢ : 2 ˢ % ˢ +*'# ,$"ˢ ,"# "*+ˢ 2"ˢ 0-$" " .ˢ ˢ I Sˢ 3"14 .+ˢ #+10$ 3+ˢ 0"ˢ 0--"ˢ 2+ˢ ACD>ˢ '"4ˢ -$+##" . , 20ˢ +*$0ˢ ,4;1 '0/0"(04- '0ˢ 01+ˢ +-$0"ˢ -"ˢ *+4ˢ /+-+#"(+ˢ 94+(-0*' 20ˢ 2+ˢ 4 .ˢ ,+-*0 . +-$"ˢ 114*$#02"ˢ +ˢ ,01# "$ '"(,"2 0ˢ $013+Gˢ - 14 #ˢ ,"2+#"*0 . +-$+ˢ -"* . +1:"#0 . +-$"* 0/# '"10* +ˢ -24*$# 0+* 2"ˢ 0#': ,+10/"ˢ 0 "#0-" S

0 *+**0"" *"1+ - -+' 20 0**+ . ;1+0 /+#01(,#" 0# 0 "" *+4' ,#+* 2+-$+(' *#' "*+' 0'" . "" "##+ 0(4 . ' +1"94+0$+' 2 *'4#*"(2"" 9401' ' $0 "' F> 011+/02"" #+10$"# "" 0* *+/4 "$+* ,0**0/+-*(94+' +#0 3+#202+' #0+#+'+ . ' *+# *+# #+,#"24G 20* ,"# . 4 $"" '"-'+ $4"*0* +' 0,#",# 020*<

K "2"* (*+-:"#+*('"-:+'+ * 0 .,+# +)0"" 2"* -"**"* -*$#0 ' . +-$"* 0#0$"# "*E 1"2"* '"-:+'+ * "" ,"4'"" . +$:"2BN'" . ' 94+' 0* $+##0* *0"" 0#00-:020*("" -+-:4 . ' '"-:+' . +-$"" 2"* '"-3+- +-$+* 0 "1:0 . +- ' $"*(0 011 0 $"$01' 2+' ,#02"* 0#$ ' 0+*("* -'"-3+- +-$+* 94+' #+*41$0 . ' 2"* 3"**"* /02"* +*$0#+ . ' '"-$ -4020#0+-$+' +8,"*$"* D -$+ . ,+# +' 20* +*$0'"+*(0 011 0 2+' ,10-$ "* 1"#+*10+*(+$-)#0 "4$#"* #04 $"* 2+ + $"* 94"" *+' +-'"-$#0#0 -"" -"**"" *N*$+#00 2+' 0/# +41$0#

K +#0 -"* 02 . #+' +*$+' +*$#0/" ' * ,# -' ,-+* '04*0*(0 -"**"" 3+# *0"< ' ,"4'"" 2+*+-3"13 . +-$"" 20 -*$#4'/0"" ,# . 0# 0E "" '4#$"" ,#0*"" ,"# 94+' *0"" + $"* "* 0##+-20 . +-$"* 20* $+##0*E 0 01$0 2+' 4 . 0 0**" ' ' 0'0"" 94+' 0'"-*+1:0**+' +' 2+**+' 0"" . +*#0"" $+ . ,"" "" +8+ . ,1"" 0"* -"**"* ,"4'"" 114*$#02"* 103#02"#+*(+' 0 ,"4'0 ,#"$+'X0"" 94+' +*10 '10**+' $+#-' . +#+' 2"" 0"* /"3+#-"* ' 0#0 #+ . +2 0# +*$+* . 01+* 6 94+' 01/ -* -2 3 ' 24"* *+' #+4- #0 . ' +' "#. 0#0 . ' 0 ' ' ' < ' 5

'030 0** . ' ;+ . ' , -$020 0 * $40'0"" 20 0/# '4114#0 -0 1:0 2+' ' /4+1(+' ,"*$0 -0 . 0 "# +3 2+-' 0 0 0;*"14$0 -2 *,+-*0; 1 202+' 2+' "# ' . 0# 4 . 0 0**"' 0 0"(2+*$ -020 0 ,#"3+# 2+' #+ . +2 "" 0"" . 01 94+' $"2"* 2+,1"#030 .

' -";#+' - ' 0$ 30 2+' 4-* ,"4'"* 2+' ,0#$ '410#+* 0;010-X"4 *+' 0 0'42 # 0 +*$0 -+'+** 202+(+' $ 3+#0 . ' +*$+* 0 /1"# 0 2+' 0-$ ' ,0# 4 . 0 ,#"3 2+-' 0 94+' "" /"3+#-"" $+3+' 2+," * ,"# '"-3+- +-$+' +*$'-2+# 0 $"2"" ' ,0 G

0G /"*$"" 1+# :"F+' "" 94+' -"* -* 2"" 0--"" 2+' AC>V 2 G 0 0 2 #+' ' 0"" 20 *"' +202+(0"" +-'0#+'"# "" . 4 $"" 94+' *+' +G -"* ,# . + #,*Z1+#0 ' ,"* 20 +8 *$+-' 0 25+* 0<

K *$0 +,"'0 3 /"*0(94+' + . ' $"20* 0* ";#0* :4 . 0-0* +' 0 #00 *‖,#" ' +-$+(*+' :0 . 0"" 94+' *0 ;0 '"1:+# +' +-'+11+ #0# "* #4'$"*(;+ . ' 94+' ;#+3+' -0"" " ' 2+*0,#"3+ $020

K " ' ,"# +*$+' $+ . ,"" 94+' 0 0**"' 0/0"" #+2 / 4' 2+1 - $ 30#0+-$+' 6 +G 0,,#"30# "* *+4* +*$0$4$"*E $#03"4' 301 "*0* #+10/"+* -0"" *"" -5"41#0* 1:0* 25+*$+' 0#': ,+10/"(. 0* 0 -20 + . ' "#$4/01(-0 -/10$+##0 +' - 0"" . +# '0-0E '0,$"4' "" 048 1 "" + 'OG 20* 04'$"# 202+* 25+*1+2 *$# '1"E 2+4' ,# -' , "" 0 4-20/0"" 2+' 4#-' /0; -+$+' 2+' 1+ $4#0 0/# '"10E +*$0;+1+'+4' 4 . ' ,+94+4"" '0#0,"" 2+' +8,+# +-' 0*("-2+' *+' +-*0 030#0 '" . ' +1 G +8 $"" 30# "* . +$:"2"* 2+' '41$4#0('" . "" 2"* #+*,+'$ 3"* #+10$"# "* '"-*$"4' -"

1+3 2"' $+ . , "E , ;1 ' "4(- "' *+ . ' /#03+*' 2 11 '41202+*(- . ' F"#-01' 2+' 0/# '41$4#0' &/' ' 5 ' ' 4 . 0' 20*' ,# . + #0*' + . ,#+*0*' 94+' -5+*$+' /+-+#"' *+' :03 0 . ' 1+-102"' + . ' "#$4/01< -01#0+-$+' +* . +#"4 *+' , "#' 41 1 *0#' 0 , #", "* 1"' $"2"*' "*' *+4*' +* "#' "*(+' "*' 3+*1 / "*' 94+' 0 -20' : "F+' #+*$0 . (2010 . ' 25+**0' 9402#0' +1 G H

+(, "#+ . ("#0 . ' ;# 1:0-$+*' +' +*, +#0$) "*"*' "*' , # . + #"*' $+ . , "*' 20' +8 *$+-' 0' 20' *"' +202+E *+' +-$0"' 2+#0' +110' #+*, 10-2+'+-$+*' * /40'*' 2+' 3 20E +' '+#1"' 94+' F0' + . ' AC>V *+' -"$030' 0 '+**0/0"' 2"' , # . 1 3"' +#R 3"#(+' *+' 10#0+-$030' 4 . 0' '+#$0' $; +G0' , #+'4#*"#0' 20' 2+'02+-' 0

?' #+10$"# "' 20' 2 #+' '0"' 2+' A?' 2+' 2 +G+ . ;#"' 25094+11+' 0--"' -0"' , 62+' *+# -2 +#+-$+' 0"' +*$02"' + . ' 94+' *+' 3 0' 0 *"' +202+(+' 0' $01' #+*' , + 1"' +G' '"-" 2+#0 "+*' /#03+*(94+' 0"*' -"**"*' 1+ $"#+*' 2+3+ . ' *+# 0 , #+' *+-$020*F '" . "' *+-2"' , #", # 0*' , 0#0' '" . ; 0$+# +**0' 01$0' 2+' , +#*+3+#0-'+' B2+ + $"' 2"' '0#0'$+# , "#$4/4+G' 10"' , #+F42 ' 01' + . ' $"2"*' "*' '" . . +1$ ' . + -1"*' +2 $+ *+' *" ;#+' "' 94+' 30 . "*' 1+#(+' , "#3+"$4#0' '"- : +'+#+ . "*' 94+' ' . +* . "' $+#-' *4 ' '+2 2"' +#0' "41#"*' '0*"*(+' 94+' +' "#/0' #0420# . "*' 2+' #4 . "(2 *, "-2" -"*' 0' , +#* *1 # +' , +#*+3+#0# + . ' -"**"*' -$+-$"*(940-2"' +11+*' *0"' F4*$"*' +' 2+' #+'"- : +' 20' 30-$0/+ . <

B 4 $"*' 2+' -"**"*' *"' "*' '"-$# ;4 -$+*' 2+*0 . , 0#0#0 . ' 0' 0**"' 0' /0"("4' , "#94+' "' ; +-+2' "' 20' "*$ $4 / "' $0#20**+' 4 . ' , "4 '"' 0' *+4*' 0- . "*' 0#2+-$+*("4' F2' , "#94+' 0' /+#+-' 0' 25+110' -0"' '"##+*, "-2+**+' 1 *40' +8, +'10/0"("4' $013+G(+' . 0*' -0$4#01 . +-$+(, "#94+' 0' 048 1 030 . ' '" . ' 0' *40' '"", +#0/0"' 0-$+*' , "#' '"-2+*'+-2+-' 0' +' '"-* 2+#0/"+*' , +* ' *"0+*' 2"' 94+' , "#' '"-3 '/0"' , #", # 0' *$+' /"1, +' -0"' "' ' 4 - '"< "*' '"# ' , "*' . 4 - ' , 0+*' +' 0*' 04'$"# 202+*' 02 . - *$#0$ 30*(0' 94+' . +#+'+ . "*' 2+*4*020' 2+ +#+-' 0('" . +/0#0#0' 2+' -"*' $#0$0# , "#3+-14#0' '"- "# . +' 0 -"**0' * $-0/0"' , +2 0(. 0*' -+ . ' , "#' **"' 0' 2 1 +#+-/0' "' . +-"*' 24#0' * . + . ;#"*' 94+' 0 -20' #+*$030 . ' ' -"**0' *"' +202+' #+*+-$ #0 . *+' 20' . +* . 0' # +*0E +' 0' '"-*294+-' 0' 2+' $"20*' +**0*' ' #'4 . *$0-' 0*' +' 2+' "4 ' $#0*' . 0*' +81+#-0*("' 2'0# . "*' #+24G "*' 0' 4 . ' +*$02"' 2+' 940*' ' "' . ' , 1+$0' -0- /0"' -20' '"-$ -4 . "*' 0' 0##0*$0# 0' -"**0' 37' +8 *$+-' 0(. 0*' '" . +/0-2"' 2+*2+' +-$0"' 0' 94+; #0# *+' "' -+8"' -"*' $#0; 01: "*(0' *+#+ . ' . +R -"*' '"-'"# 20*' 0*' -"**0*' #+4- "+*(0' -0"' *+#+ . ' 1 2"*' "*' , "4 '"*' 1 3#"*' 94+' 02"#-030 . ' "' -"**"' /0; -+$+' 0"' *+' '41$ 30#0 . ' 0*' -"**0*' #+10/"+*E - . ' 2 0' -$+##" . , +4 *+' 0' , 4; 1 '0/0"' 2"' -"**"' F"#-01(-5"41#"' 2+' 2 4 *+' 0; 0-2"-0# "' '0 . , " 2"*' +-*0 "*E 250: ' 0' , "4 '"' 2+ 80#0 . ' 2+' *+' 3+#) ' '0# 0*' -"**0*' *+**; +*' . +-*0+*(+' , "# 2 . ' '01"4' + . ' 940*' $"2"*' "*' 0- R . "*' ' , +-*0 . +-$"' 20' -4$ 1 202+' 2+' *+ . +1:0-$+' +*$0; +1+' . +-$"' . ' , "4 '"' $+ . , "' *+' 2+*30-+'+#0 . ' 114*"+*' 94+# 20*(94+' -"' , # -' , "' 20' $+-$0$ 30' 0#2 0 . ' . , +$4"*0*' -"*' '"#0/"+*' 2+' $"2"*' P

+1 2+'#+$ 2+ I> 2+ 0;#1 2+ AC>> " 0, ,#"3020 0 "' +202+ #" . "1"#0 20 /# '41$4#0 ';0+1+-*+

+1 0130#2 2+ V 2+ . 0 2 . +* . 0- - "#0#0 '"- #. 02"* "* *+-* +*$01)1"*

0 * $0#2+ #+'"-:+'+4 /"3+#- 94+ 0 *"' +202+ $-:0(2K

. "* F2 94+ -0- 2+ AC4> BI7 2+ -"3+. ;#" 2+4 /"3+#- 2+*+-3"13 2 #+/410 . +-$" 0 +**0* *"' +202+*(94+ 0,+# 0* +*$030 . (2+ '#+$020* - '"2 /" 02 . - *1#01 3"(+ -0 1+ "#/0- '0 20 -*1#4''0" ,4 ;1 '0 2+ I? 2+ *+$+. ;# 2+ AC>>

#0(,"#+. ($0" #+'". . +-203+1 0 "' +202+ #" . "$"#0 20 /# '. 14#0 ';0+1+-*+(94+ ,0#+'+4 0 /"3+#- *+# -2 *,+-*03+1 :0##0"- *0# 0* 2 *,"* '"+* /+#0+* 2 #+/410 . +-$ 20* *"' +202+* 0/# '"10* '". 0* +*,+' 0+* 2"* +*10$41"* 25094+110

' '". + +$"(+. IV 2+ F4 2+ AC;D 2+'#+$"4 /"3+#- * +/4 -$+<

A $ "-$ - 0 0 +8 *1 # 0 "' +202+ #" . "$"#0 20 /# '41$4#0 ':0+1+-*+(+ 0 #+/+# *+ ,+1"* *+-* +*$0$4$"* 0, ,#"302"* +'"- #. 02"* ,"# 0130#> 2+ V 2+ . 0 2+ AC>>('". 0* *+/4 -$+* ."2 '0'"+*<

I $?' /+3+#-02"# ' 3 1 2 *$# '$ *+#0 ,#+* 2+-$+ -0$ 20 *"' +R 202+(0 9401 +1+/+# 4#- 3 '+ ,#+* 2+-$+(94+ * #30 -0 01$0 2 /"3+#-0 2"# ' 3 1

7 $ '0. ,+#$+-'+-2 7 *"' +202+ "* . +. ;#"* -0$"* 20* *"' +R 202+* 0/# '"10*(2+* /-02"* -" 0#$ /" I S 2 #+/410 . +-$ 20* . +* . 0* *"' +202+*E ,"#+. *6 $+#0" 3"$" 2+1 ;+#0$ 3+ "* 94+ '"-F1# ;4 #+. ,0#0 0* 2+*,+*0* 20 *"' +202+(-0 '"- "#. 202+ 2"* *+4* +*$0$41"*

> $ * *+') "+* 0 94+ *+ #+ +#+ " 0#$ /" AI S 2 #+/410 . +-$ 20* "' +202+* /# '"10* *+#0" '"#0,"*10* 2+ #+* . +. ;#"*("* 940+* ," 2+#0" *+#3 # * . 41$0-+0 . +-$+ +. . 0 * 2+ 4 . 0 *+'/0"

D $ 0" 0, ,1 '03+ * D "' +202+ #" . "$"#0 20 /# '41$4#0 ':0+ 1+-*+ 0* 2 *,"* ';+* 2" '0, 141" >S 2 #+/410 . +-$ 20* *"' +202+* 0/# '"10*(+ $"20* 0* . 0 * 94+ *+ -0" ", ,"G+#+$:' 0"* *+-* +*$014$"*

?' 2+'#+$" 2+ ID 2+ F41:" 2+ ACDD('4F0* 2 *,"* '"+* 0'0;0. "* 2+ #+/ *$0#(+3 2+-$+. +-$+ ."*$#0 94+ " /"3+#- " '. "3 2" ,+1" . ,+# "*" 2+*+F" 2+ 0##+20# 0 ## $0' " 20 ;+-+. +# $0 "' +202+ ':0+ 1+-*+(0" 3+# +*$0 94+ ,+1" 2+'#+$" 2+ I7 2+ -"3+. ;#" 2+ ACD> *+ 0

'#+0# 4 . 0 -*$ 14 '0"' # 301(94+' ,"#3+-$4#0 $#0# 0 '" . * /"' 0 2+*$#4 '0"' 20 ,# . + #0 *"' +202+' 0/# '"10 4-2020 -"* 2" . 1- "* ,"#$4/4+G+*

8'+11+-$+ . +-1+' 6 #0$02"' +*1+' ," -$"' -"' #+10$"# "' 2+' 7?' 2+' -"3+ . ' ;#"' 2+' ACV7(-"* *+/4 -1+* $+# . "*<

K ' ,"** ; 1 202+' 2+' 0** .' # '#+0# 4 . 0 -*$ 14 '0"' # 301' 20 "' +R 202+' #",0/02"#0 20 /# '41$4#0 ':0+1+-*+E 0 2+0 2+' 94+' . 4 $"* 2"* *"' "* 2$+*$0(-2"' ,+1"* $+# . "* 2"' #+/410 . +-1"' 0G+# ,0#$+' 20 "R ' +202+' /# '"10 ' 01(#0#+0# 0 .' 0* 1+ #0* 2$094+110 "4$#0 *"' +202+' $"20 ,0#$ '410#E "' #+'+ "' 2+' 94+' 0 ,#"$+') 0"' 2020 ,+10* 04'$"# 202+* 02 ' - - *1#0$ 30*(+' 0 ;+-+3"1+-' 0 #00- +*$0 '; .' 94+' "* /"3+#-"* #0$0#0 .' 0 0-$ /0 0**"' 0'0"(2+' $"2"' 11 +' +*'0**+0# 0#0 ,"# *+' 2+*3+10#+ .' -0 4-' 20'0"' 20 -"30 *"' +202+' 2 *1# '101E +' ,"#3+-$4#0 "' #0'"' 0- ."' ,0#0 0 1410 20 '"-'"##+-' 0(94+' -"' '0 . ,"' +'"-" . '"' 6 *+ . ,#+' + 'OG(2+' 94+' *+' 0':030 .' ,"**4 2"* "* 0**"' 02"*< 142"' **"' '"-'"##+4' ,0#0 94+' 2+' AC7D' +#0 2 0-1+' 2+'0 **+' 2"' 0-1 /"' ;# 1:"' +*$0 *"' +202+' ,0#0 0 3 20 0,01: '0 +' 940*' 3+/+101 30 94+' 2+*2+' 1"/"' . 0- +*1"4 ,

' '

-$+* 20* ,#"3 2+-' 0* 2+'#+$020* +#0 AC7>' "' -*$ $4 20 +*$0 *"R ' +202+(+('" . "' 3+#+ . "* 1"/"($" . " ' ,0#0 . "2+1"' 0 2+' "-$0 +1/020(+' " .' +110 *+' #+10' "-"4 #0$+#-01 . +-1+

"' 2 0 IA' 2+' -"3+ . ;#"' 2"' 0--"' 2+' AC>W(+*$0-2"' -2* 0 #+-$+' 20 02 . - *$#0'0"' 2"' 2 *$# '$"' 2"' 4-':01('"-3"'0 ."* ,0#0 4 . 0 #+4- 0"' "* #00 * 114*$#02"*+' -)4+-$+* . 02+ #+-*+*(0 .' 2+' :+* ,#", "##0"* 0 4-20'0"' 2+' 4 . 0 "' +202+' #"#0"$"#0 20 /# '41$4#0

#-' -' 2+-$+' #04 $"' ," -2+#"*"' -"* . ,"+' 0 ";# /0'0"' 2+' +80#0# 094' 0 0'$0 20 #+*,+ '$ 30 *+**0"<

K "*IA' 2+' -"3+ . ;#"' 2+' AC>W(-5+*$0 ' 202+' 2"' 4-':01(2 *$# '$"' 02 . - *$#01 3"' 2"' . +* . "' :"-0+(+' -0 *010 /#0-2+' 2"' ,010' "' 2+' ' "4 ' #+-'"("-2+' *+' 0':030 ' "*6 13+*$#+' ;+#"(/"3+#-02"#' 3 1 25+*$+' 2 *$# '$"(2 ' * ' ' ' (* ' ' * ' 5 -2 ' , ' ' "#0 #+* 2+-$+' -5+*$0 1:0(0--4 -2"' ;+' - /-"' 0"' '"-3 $+' 94+' "' . +* . "' /"3+#-02"#' 3 1 :+' +-2+#+'0#0(,0#0 94+ ' ' ' :"43+**+' ,"# ;+ .' :"-#0# '" .' *40 04/4*$0 ,#+*+-*0(+*$+' *" ' 1+ . -+' 0'$"' 20 -*$0110'0"' 20 "' +202+' /# '"10+' 0'+ $0# "' $ 141"' 2+' ,#"R $+'$"# 25+110

1 4$#"* .' '" . ,0#+'+#0 .' . 4 $"* ' 2020"* ,"#$4/4+G+*(+' *4;2 $"*

4 . ‘ , "-$"‘ 2+‘ 3 *$0‘ ,#0$ '"‘ +‘ *+/4#"‘ + . ‘ #+10 "‘ 0"*‘ +1+ . +-$"*‘ 0/# '"R 10*‘ -24*$# 0+*‘ 20‘ . +* . 0‘ 1:0(0"*‘ 4*"*‘ +‘ '"*$4 . +*‘ 2+‘ *+4*‘ ;0; $0"$+*(+‘ 0* 2 3+#*0*‘ ' #'4 . *$0"' 0*‘ 94+‘ :+‘*0"‘ ,0#$ '410#+*< "‘ 94+‘*2‘ , "# . + "‘ 2+‘ $0"‘ 4$ 1‘ +‘ ;+-+) '0‘ -*$ $4 ' 0"‘ +11+‘ , "2+‘ *+# 0**+/4#02"Ē +‘ , "# ; + . ‘ 0, ,#"3+# "*‘ +*$0$4$"*‘ , "# 94+‘ *"‘ :0‘ 2+‘ #+/+# 0 "' +202+‘ /# '"10‘ 0‘ 2+ #+-*+ Z

+3+ . "*‘ 0 -20‘ ,0#$ '410# *0# 0‘ ' #'4 . *$0-' 0‘ 2+‘ 94+‘ "‘ /"3+#'"‘ "4 ‘ 3 4(01+ . ‘ 2"‘ /"3+#-02"# ' 3 1(+‘ 2"‘ '"-*+1:+ #"‘ ,#"'4#02"# /+#01‘ 20‘ '" ‘ #20(0 '02+ . 0‘ +01‘ 20*‘ ' +"' 0*‘ 2+‘ *;"0< +‘ *+‘ '"" "# . "4‘ '" . ‘ 0‘ - "# . 0'0"‘ +‘ ,0#+'+#+*‘ 94+‘ ;+‘ "#0 . ‘ ,#+*+-$+*

/"#0(,0#0‘ . 0 "# +80'$ 20"‘ 20*‘ -"$ ' 0*‘ 94+‘ ,#+$+"2+ . "*‘ 20#(0 ,#" ‘ 3+ $0#+ . "* "‘ #+10$"# "‘ 94+‘ + . ‘ A> 2+‘ . 0 "‘ 2+‘ ACDA‘ 0 ,#+*+-$0 . "* > 0* ‘ *+ . ;1+0‘ /+#01‘ ,0#0‘ ;+‘ 20# . "* '"-$0‘ 2"*‘ $#0;01:"* + + $402"*(+‘ 2"*‘ #+ ‘ *41$02"* "; $ 2"*<

0 #0$+‘ 2+‘ +-'+$0# #+10'"+*'" . ‘ 0‘ "' +202+‘ " . "$"#0‘ 20‘ /# '41$4#+‘ ':0+1+-*+(+‘ $+-:"‘ 0‘ ,#" 4-20‘ '"-3 ''0"‘ 2+‘ 94+‘ . 4 $"‘ :03+ . "* 2+‘ 14 ‘ '#0# + . ‘ *+/4 # 4 . 0‘ -0"‘ -$+###" . , 20‘ '"##+*, "42+"' 0‘ '" . ‘ 094+110‘ ;# ‘ 1:0-$+‘ 0**"' 0/0"(0 9401‘ 0 0/# '41$4#0‘ B 2+N+2"#0‘ 2+‘ . 4 ‘ #+1+30-$+* *+#Z 3 /"*(,+1"‘ 94+‘ #+'+;+4‘ /#0-2+*F"43"#+* 2"/"3+#-"‘ 2+ ‘ +‘ *+‘ $"# ‘ -"4‘ 0'#+2"#0‘ 20‘ . 0 * :"-#"*0‘ '"-* 2+#0/0"‘ 2+‘ $"2"* "*‘ ,"#$4/4+G+*

Y ‘ "' +202+‘ ':0+1+-*+‘ ,6G ‘ -"**0‘ 2 *, "* /0"‘ 940$#"‘ . 1‘ 0 . " ‘ #+ #0*‘ . 41$ '041+*‘ -"*‘ $+# . "*‘ 2+‘ 4 . 0‘ ,"#$0# 0‘ 2"‘ . " *$+# "‘ 2"‘ #+ -"‘ 2+‘ IW‘ 2+‘ -"3+ . ;#" ‘ 2+‘ ACD?Ē -0"‘ *+‘ 0'+ $"4‘ ,"#+ . (+*$0‘ " +#$0(, "# **"‘ 94+‘ *+‘ F4 /"4‘ -4$ 1‘ 0G+#‘ 0‘ 2+*, +*0‘ 20‘ '"-24'/0"(3 *$"‘ '" . "‘ :0‘ . 4 $0*‘ -0‘ 02+ #0(+‘ *+'‘ '+#$"‘ 94+‘ +110* *+‘ ,#", 0/0 . ‘ . 4 $"‘ 0' 1 . +-$+‘ 2+‘ #0 . "

K ‘ -"**0‘ *"' +202+‘ #+'+;+4‘ 2+‘ ‘ /4+1‘ 4 . ‘ +*$. 03+1‘ ,#+*+-$+(9401‘ " ‘ "‘ 2+‘ 4 . ‘ +8+ . ,10# 2"‘ ‘ % ‘ * ‘ * ‘ ‘ ‘ ‘ EFMĒ * ‘ ‘ ‘ ‘ ‘ 5 J ;0‘ . +‘ ‘ 0‘ +*$+‘ ,#+*+-$+(+‘ -0‘ 3+#202+‘ "‘ +(, " *‘ 94+‘ *+‘ $#0$0‘ 2+‘ 4 . 0‘ ";#0‘ -$+#+**0-$"‘ 94+‘ . 4 $"‘ 0'#+2 $0‘ 0‘ "$+11 /+-' 0‘ +‘ G+1"‘ 20‘ *"R ' +202+‘ 94+‘ 0‘ ,4;1 '"4(" . "‘ $0"‘ F4*$:'020 . +-$+‘ "‘ #+'"-;+'+4‘ "‘ /" ‘ 3+#-"‘ 2+‘ ‘

Y ‘ . +* . 0‘ *"' +202+‘ 0'0;0‘ 2+‘ +-3 0# . +‘ 4 . 0‘ ,"#/ "‘ 20*‘ *+ . +-$+*‘ 2+‘ '+2#"‘ 20*‘ +# . 420*(-$#"24G 2"‘ 2+‘ ,"4*"*‘ 0--"*‘ -"‘ 0#': ,+10/"‘ 2"*‘ /"#+*‘ ,+1"‘ #+*, + $03+1‘ '"-*41‘ 0 . +# '0-"("‘ *#< 0;-+N‘ ?‘ '+2#"‘ 20*‘ +# . 420*‘ ,#"*, +#0‘ ;+ . ‘ -"*‘ /"#+*(+‘ '#2 *+‘ 94+‘ *+#> . 4 $"‘ 4$ 1‘ , + ‘ 10*‘ ;"0*‘ 9401 202+*‘ 20‘ *40‘ . 02+ #0

‘K ‘ #+ +# 20‖ "' +202+‘ ':0+1+-*+‘ ,+2 4‘ *+ . +-$+*‘ 2+‘ , -;+ #"‘ 2+

' 041"(+'4.0'"4'.0*,10-10*2"'0 0'$4* "':#- +#S''";+#$0*'".'0''":-1:0E+($3+'0'*01*0/0"'2+',#++-':+#"'*'*+4*2+*+F"*(0G+-'2" 1:+'0#+.+**0'20*2 10*'*+.+-$+*'+',10-$0*(/#0X0*'7";*+94 "*202+'2"'-"**"(*"'"'"'*#'4-"'2+'#+$0* ".+1-"(94+' +#+'+4'094+110*(+'2+'"41#"'*"'"(""'*#(0/"4#(94+',#+,0#"4'+*$0*S

'2+'*4..'"-$+#+**+'"'94+'0/"#0'30#0"*'#+/*$+#(,"*'94+'*+'#+ +#+'2',4;1'202+'2"*'$#0;01;"*'20'0**"'0/0"(+'0"*.+"*'2+'*+'-*$#4 #<

B +'"":+'+-2"'0'02*,+0*0;1202+'2+'*+'$"#"0#+.',4;1'"*"*'$#0'

;01:"*'20'2#+'/0"'+'*"'+202+(+'2+'" +#+'+#D'"/$0'0"'+'+80.+'2"*(-"**"*'"-'2020"*"*',0#+'+#+*'20*'".. **;+*(0*,#","*$0*'2"*'*"Z'"*(+'0*2+0*+.$$20*'45+**0*'2*'4**"+*<$".+'0'2+1;+#0/0"'2+'#+0#4.'F"#-01'+".'"'1141"'2+'<'5'1'2#+'/0"'0,,#"3"4'.+4'+8,+2+-$+(+'0,,1042".+':"F+'2%094+110'#+0/0"(,"#**"'94+'"*'2"*'-4.+#"*'FO',4;1'02"*'$++.'0/#0202"'*',+**"0*'**420*'+'3+#'202+#0.+-$+'+.,+-:02"*'-"'2+*+-3"13.+-$"'2"*'-$+#+**+*'0/#'"10*

K "-:+'+#*+:0'-"'4$4#"'0-20'.0*'0'"-3+-+-'0'2+'*+'#+4-#+.'4.'"#,"'0'-"$'0'2"*'-"**"*'$#0;01;"*(+'0'2+'#'2+*+-$#0-;0#'20',"+#0'2"*'0#':3"*'+#$"*'2"'4.+-$"*'2+'94+'*+'0110030'*+.'"-:+'.+-$"'2+'04*0(;+.'"'.'"'0'2+'*4*$+-$0#4.0',4;1'0'0"(94+',+1"'0-20#2"*'$+.,"*,"2+'3#'0'*+#4.'+8'+11+-$+'3+:'41"'2+'-*$#4'/0"'0/#""'.'0

K #",4G'>'2#+''0"(+'+110'.+'+G'0':"-#0'2+'0,,#"3+#(94+'*+'.0-20**+.'3#01/4-*'1 3#"*'*";#+'0/#'41$4#0(+1"';+#/0-$.',"#$4/4+G'01/"S'-"*''':+/0#0.'+**+*'1 3#"*(94+'1+0.'*+-2"',#",#+202+'20'*"R'+202+(+'0#0"',0#$+'2+'4.0';;1"$:+'0(94+',+1"'0-20#2"*'$+.,"*'+*',+#"'*+#0'+*$0;+1+'20',"#-"**0''"-$0Z J 2#+''0"'*4;*'#+3+4',0#0''$$1-24*$#02"#S("#-01'#0$''"'2+'*'+-'0*(0#$+*'#0+':0-'0*'+'0/#'+41$4#0_'"'+202+'#".'"$"#0'20'/#'41$4#0'':0+1+-*+(#+.+$'$+-"*4.'+8+.,10#2"'<'2'5'+,"#4.0'F4*$0'#+',#"'202+'0'0;"'2+'+-30#1:+'"*'2"*'-4.+#"*'2"'-"**"'F"#-01(+'K+#1:+':0"'#+.+$$2"*'*4''+**30.+-$+'"*'94+'*+'"#+.',4;1'0-2"(J '2#+'Z')0'";$+3+(+'2+3+.'+8*$#-0'7S''".**0"(2"*",4*'41+*''".'2+'*+-:"*'2+'-*$#4.+-$"*'0/#0#"*'+'-"$'0*'2"'*+.+-$+*(,10-$0*(6'/0'2"*'2+'2 3+#*0*#0/0*'0"'+**+*",4*'41+*'+8'+11+-$+*/4 0*',0#0'0''".',0'2%094+11+*'0#$/"*-"**$02"*'-2"*S

0.+-$0."*94+'0'02*,+-*0;1202+'2+',"4,0#+*,0'"'-5+*$0'+*''#,$4#0-"*'.,+/0'2+',#"*+/4#0'-"$'0'+-'+$020(,"-$0#+."*0,+Z'-0*'0'-2'0/0"'2"*'0**4.,$"*'2+'94+'0-20'*+'$#0$030'-"'#+10$"#"E'+3+.'0'*+#<*+.+-$+*'94+'*+'#+'+;+#0.'2+'"#$4/01'+'2+',0G+*'+*$#0-'/+#"*F";*$0#>'2+30*$0''"'20*'*+##0*E,10-$"'2+'0#3"#+2"E,#"F+'$"

J ˢDN;ˢ J

2+ˡ +8,"* "ˢ 2+ˢ -24*$# 0ˢ 0/# '"10ˢ B94"ˢ 2+," *ˢ *+ˢ #+01 *"4 Eˢ +-*0 "ˢ 2+ˢ
0 .ˢ . "-1+, "ˢ 2"*ˢ 103#02"#+*Eˢ " 1+#+' #0+-$"ˢ 2+ˢ *+#3 /"ˢ 20ˢ ,0#$+ˢ 20ˢ 2 ˢ
#+'/ "Eˢ 0'+ $0/0"ˢ 94+ˢ 1+3+Z-0ˢ 8,"* /0"ˢ 2+ˢ "-2#+*ˢ 4 . 0ˢ 0 . "*1#0ˢ 20ˢ
'"' : - 1:0ˢ 20ˢ 02+ #0Eˢ '#+0/0"ˢ 2+ˢ /02"*Eˢ . +1:"#0 . + $"ˢ 2+ˢ #0/0*ˢ 2+0" ˢ
. 0'*<ˢ ,0*$+*ˢ 0#$ 2' 0+*Eˢ $#0;01:"*ˢ 20*ˢ '" . . **"+*Eˢ . + . "# 0*ˢ ˢ ,#" ˢ
,"*$0*ˢ 2"*ˢ *"' "* ˢ B +F0<ˢ < ˢ * ˢ ˢ ˢ 5 ˢ ˢ
ˢ ˢ $"#0"ˢ 7 Sˢ ,0/ˢ 6Cˢ 0ˢ WVˢ /ˢ ˢ 5 '
0*ˢ 4 .ˢ . ,41*"ˢ ##+* *$ 3+1ˢ -"*ˢ . "3+ˢ 0ˢ 2+ 80# 094ˢ #+/ *$020ˢ 0ˢ +8ˢ
,#+**0"ˢ 20ˢ . 0/00ˢ 94+ˢ -5+**+ˢ 0- -"ˢ 2+ˢ ACDAˢ -"*ˢ ",,# . 0(0"ˢ 3+# . "*ˢ "ˢ
940-$"ˢ 2+ˢ 2 d '41202+*ˢ +ˢ -+'+**0# "ˢ 3+-++# ˢ ,0#0ˢ *+ˢ '"-*+/4 #+ . ˢ 01/4-*ˢ
;"-*ˢ #+*41$02"*ˢ 013+Gˢ $+#0ˢ 0 -20ˢ '0; . +-$"ˢ -"*ˢ 2 0*ˢ 2+ˢ :"F+ˢ 0ˢ +-4 . +ˢ
#0/0"ˢ 2"*ˢ +*$"#3"*ˢ 94+ˢ #+$0#2030 .ˢ "ˢ -"**"ˢ '0 . -:0#
"/"ˢ -"ˢ 2+*,"-$0#ˢ 20ˢ *40ˢ 3 20ˢ 3 4ˢ +*$0ˢ *"' +202+ˢ 0,,0#+'+#ˢ 4 . 0ˢ
$01ˢ "4ˢ 9401ˢ ",,"* /0"ˢ 0"ˢ *+-ˢ +*$0;+1+' . +-$"ˢ "##+#0 .ˢ "*ˢ $+ . ,"*(+ˢ
-+ .ˢ ,"#ˢ **"ˢ 2+ 8"4ˢ 0ˢ *"' +202+ˢ 2+ˢ +-'"-$#0# +*$"#3"*ˢ +ˢ + . ;0#0/"*ˢ
94+ˢ 940*ˢ 0ˢ 0 .ˢ . 0$0-2"ˢ]ˢ -0*'+-/0ˢ ˢ -2 +#+-/0ˢ 2+ˢ . 0 "#ˢ -4 . +#"Eˢ
4 . 0ˢ '+#$0ˢ #"48 20"ˢ +ˢ 2+*01+-$"(94+ˢ ,0#+'+ .ˢ + +$"ˢ 2"ˢ -"**"ˢ '1 . 0Eˢ
+**+ˢ 243 20#ˢ 2+ˢ $42"(+**+ˢ 2+*'#+#(+**+ˢ 0$;+ * . "ˢ 2+ˢ -"30ˢ +*,+' +ˢ 94+ˢ
*+ˢ $+ .ˢ 0,"2+#02"ˢ 2"*ˢ :" . +-*ˢ 2+ˢ :"F+(+ˢ 94+ˢ + .ˢ /#0-2+ˢ ,0#$+ˢ . ,+2+ˢ
ˢ +-$:4* 0* . "ˢ 20*ˢ /#0-2+*ˢ '" *0*("ˢ +*, # $"ˢ 2+ˢ ,0#$ 2"(94+ˢ $42"ˢ -R
$+#,#+$*ˢ 0ˢ *+-ˢ /+ $"(+ˢ 94+($" . 0-2"ˢ $"2"*ˢ "*ˢ '0#0'$+#+*ˢ 2"ˢ +/" * . "(
':+/0ˢ ,"#ˢ 3+G+*ˢ 0ˢ *0'#) '0#ˢ "*ˢ -$+#+**+*ˢ /+#0+*ˢ 0"ˢ . +*94 -:"ˢ '"-$+-ˢ
$0 . +-$"ˢ 2+ˢ + . ;0#/0#ˢ "ˢ ,0**"ˢ 0ˢ 4 .ˢ 023+#*0# "ˢ ,"1 $ '"Eˢ 0ˢ "/"*0ˢ . ,0ˢ
' +-' 0ˢ 2"*ˢ 94+ˢ +8 /+ .ˢ 1"/"ˢ -"ˢ '" . +/"ˢ / /0-$+*'"*ˢ #+*41$02"*<ˢ $42"ˢ
**"ˢ $+ .ˢ * 2"ˢ ,0#$+ˢ ,0#0ˢ 94+ˢ -0"ˢ $+-:0 . "*ˢ -03+/02"ˢ '" .ˢ 3+-$"ˢ 2+ˢ *+#ˢ
3 #ˢ ,0#0ˢ "ˢ ,"#$"ˢ 0ˢ 94+ˢ -"*ˢ 2+*$ -0 . "* Z
*$0ˢ -3+'$ 30ˢ +-'+##0ˢ $013+Gˢ 0ˢ '"-2+ . -0/1 "ˢ 2+ˢ 4 .ˢ 4-+*$"ˢ 2+ + $"ˢ
2"ˢ '0#0'$+#ˢ 2"*ˢ :" . +-*ˢ 2+ˢ $"2"*ˢ "*ˢ $+ . ,"*(2+ˢ $"20*ˢ 0*ˢ -0/"+*
ˢ ,0#0ˢ 10*$. 0#ˢ 94+ˢ *+F0ˢ -+'+**0# "ˢ #+,+1 #ˢ $0"ˢ $# *$+*ˢ 3+#202+*<ˢ
. 0*ˢ * #30ˢ 0"ˢ . +-"*ˢ +**0ˢ #+,+$ /0"ˢ ,0#0ˢ 2+*,+#$0#ˢ 0*ˢ '"-*' +-' 0*(-"ˢ
*+-$ 2"ˢ 2+ˢ 94+ˢ -6*ˢ $"2"*ˢ ,"-:0 . "*ˢ "ˢ $"ˢ + .ˢ *0'#) '0#ˢ 0"ˢ ;+ .ˢ 2"ˢ
. 0 "#ˢ -4 . +#"ˢ 0*ˢ #094+G0*ˢ 2"ˢ 0 . "#ˢ ,#",# "(0*ˢ *4//+*$"+*ˢ 2"ˢ +/" *R
. "(+ˢ $"20*ˢ 0*ˢ ,0 8"+*ˢ #4 -*ˢ 94+ˢ ";'+'0 .ˢ "ˢ +*, # $"(+ˢ ,+#3+#$+ .ˢ "ˢ
'"#0/0"P
ˢ ˢ ˢ ˢ ˢ ˢ U ˢ * ˢ ˢ ˢ * ˢ ˢ
ˢ ˢ ˢ ˢ * + ˢ ˢ ˢ ˢ* ˢB +*ˢ 8 ˢ
2+ˢ 5 4 .

ˢ ˢ ˢ

L1 1s

ʻ 6-9*:ʻ 3;-"<-ʻ <2#2

, +%060 ʻ" ʻ # +0" ʻ "0ʻ &#+(0ʻ ʻ 0 0ʻ ʻA78;D.78E;F ʻ)0ʻDN;

-2 '+ 2"* +*10;+1+' . '-$"* *' +-$ '"*(1 $$+#0# "* ! 0#$ *1 '"*(
+ 2+ 01/4 . 0* +-1 202+* '"##+ 0$ 30* 2+ 9"+ *+ 20 -"1 ' 0
-5+*$+ 14 ."

Q +0) &1 &* #+, *   )* 0 #0 &, * "   # +0" "0 &#+(0   03
0 A #@0 '%# " H#1 & 0 $06 7F A
*(2 I)%6%#H #,+0+0 "# ,)# 0)% 0 N
,0)0 0 0* +0) " & (#0, #& N # ;
% 0 #* #0, 20 A F #,+0+0 +&, %*, 2 ;
%G) 0" +"%&, 0) I ,%6%#H ALF % *(2 " &$ 6 #&&#& +.
"%&, 0#& D
@0. 7< ALF #,+0+0 " +&, %#60 # #* # D # E
6 0$(ALF <
#&#+@ 0, 2 (#0, 0) ALF <
+, #. *, ALF Q +0) " & (#0, #& <
+, #. *, A78DLF <
+, #. *, A78ENF <# 9
&$#)(+ " I0)* ALF Q +0) " & (#0, #& 9
0 +0 A F Q +0) "# ,,# 0,% 0 # " & (#0, #& #2 &,0 "0& * #+* 0&
"0& #))0&)#& 9
0)# 0 ,,# 0 0 I%B) *06 #&"# ? B0+ 9
1 0+ ALF Q +0)="#6 &, # ,% 0& $0 0 0 +B & &&#G & C
+&, %*, I %#+&# ALF I# " * 1 #+&0) ,#+" " 55# #+,#& 0 6 &
"# #"%*060) ,,# 0,% 0 1 0) (&, 0 &* #+* 0&# 0 ,#& 8
Q0 " 1 ,,# 0 #1 0+0 "# +&, %#60 # #* # 8 # :

D;L

)

Q +0)ˢ"0ˢ && * 060 ˢ +"%&, 0)ˢI ,%#+&# ˢ :

P "0ˢ * #"0"#ˢ"0&ˢ * #+* 0&ˢ #" *0& :ˢ#ˢ7L

P ˢ " &ˢ 1 6 &ˢ"0&ˢ #,, 0& ˢ 7Lˢ#ˢ77

P K C I(0 1 0*#%, *0ˢ %& ,0+0ˢ"#ˢ &B 0 ˢ 77ˢ#ˢ7N

ˢ "0&ˢ #))0&ˢ ,#& ˢ 7Nˢ#ˢ7;

J "0&ˢ * #+* 0&ˢ #" *0&ˢ"#ˢ &B 0 ˢ 7D

C "#ˢ * 1#" 0&ˢ#ˢ20 *"0"#& ˢ 7D

J "#ˢI(0 1 0* 0ˢ#ˢ&* #+* 0&ˢ0**#&& 0&ˢ"#ˢ &B 0 ˢ 7D#)E

P " ˢ*#+, ˢ$ 1 , ˢ" &ˢ1#)(0 1#+, &ˢ"0&ˢ*)0&&#&ˢ)0B &0& ˢ 7;

ˢ " ˢ +&# 20, ˢ

ˢ " &ˢ50*%),0, 2 &ˢ1),0 #& ˢ 7<

C $*/5) $#" * ˢ ˢ KKKK ˢ ˢ%ˢ ˢ ˢ 7<

Cˢ 1#+&0)ˢ"#ˢ#"%*0 0 ˢ #" 6 " ˢ& Bˢ0ˢ$,#* 0 ˢ#&$#* 0)ˢ"#ˢ ˢ

0ˢ 0 +(0ˢ ˢ 0 0ˢ+ ˢ 7<ˢ#ˢ79

#1 0)ˢ?), 0 1 0 + ˢ#ˢ 0 , 0 ˢ 79ˢ0ˢNL

+# 20ˢ %& ,0+0ˢA F ˢ NL

&*#))0+#0ˢ &, *0ˢ#ˢ ,,# 0 0 ˢ NL

ˢ &, *0 ˢ NL

&0 * ˢALFˢQ +0)ˢ"#ˢ+& %* 0 ˢ#ˢ #* # ˢ NLˢ#ˢN7

%&#%ˢI ,, #&* ˢALFˢQ +0)ˢ"#ˢ+&, %* 0 ˢ#ˢ #* # ˢ N7ˢ#ˢNN

ˢ I ,%#+&#ˢALFˢQ +0)ˢ"#ˢ(&, 0 ˢ0 ,#&ˢ&* #+* 0&ˢ +"%&, 0#&

R #ˢB#))0&ˢ)#,, 0& ˢ ˢ ˢ NN

B, * 0" ˢALFˢQ +0)ˢ"#ˢ+&, %* 0 ˢ#ˢ #* # ˢ ND

B&# 20" ˢALFˢQ +0)ˢ$), * ˢ#ˢ),,# 0 ˢ"#= 1 B 0 NNˢ0ˢND

ˢ 0@0+,#ˢALFˢQ +0)ˢ"#ˢ+&, %*60 ˢ#ˢ #* # ˢ ND

%) ˢALFˢQ +0)ˢ),,# 0 ˢ , * ˢ#ˢ"#ˢ* &=,%1#& NDˢ#ˢN

I0+ 0 1 0ˢALFˢQ +0)ˢ),,# 0 ˢ#ˢ+&, %*, 2 ˢ"0ˢ&$* #"0"#ˢ$ $060" 0

" &ˢ* +(#* 1#+, &ˢ%,#& P ˢ N<ˢ0ˢN8

I0+,) 6 ˢALF ˢ N8

I(0)ˢALFˢI# " * ˢ"#ˢ+&, %* 0 ˢ#ˢ #* # ˢ N:

ˢ 0&1 +,0+ ˢALFˢI# " * ˢ1#+&0)ˢ"#ˢ+& %$60 ˢ#ˢ #* # ˢ N:ˢ

I( )) 6 ˢALFˢQ 5 0)ˢ"0ˢ * #"0"#ˢ &*)0&, * . *(0#)#+&#ˢ ˢ N8ˢ#ˢN:

I 0,0ˢALFˢ #,+0+0 ˢ (#0, 0) N:ˢ#ˢ;L

I ,%60)ˢ , &, * ˢ& Bˢ0ˢ$,#*60 ="#ˢ&%0&ˢ1 06#&,0"#&ˢ#ˢ0),#H0& ˢ ;L

I &1 0ˢALFˢI# " * ˢ"0ˢ *0"#1 0ˢ 0 1 0, *0ˢ"#ˢ 1 B 0 ;Lˢ#ˢ;7

0 ˢ (#0, 0)ˢALF 4P ˢ ;7ˢ#ˢ;N

#* # ˢALFˢQ +0)ˢ"0&ˢ 0 1) 0& ˢ ;N

#$ &, ˢ ,,# 0 ˢ"0ˢ * #"0"#ˢ"0&ˢ * #+* 0&ˢ #" *0&ˢ#ˢ" ˢ ,,#=

0,% 0ˢ" ˢI , ;Nˢ#ˢ;;

#2 &,0ˢ *0"#1 *0 ˢQ +0)ˢ ,,# 0 ˢ#ˢ * #+, 5 * ˢ ;;ˢ#ˢ;D

ˢ 1,# 0$ 0+#0 ˢ ;Dˢ#ˢ;<

C "#ˢ &B 0ˢQ +0)ˢ +*/*) $#" # ˢ ˢ ;E

2 &,0ˁ " ˁ +&# 20, + ˁ"#ˁ &B 0 ˁ ;Eˁ#ˁ ;<
" &ˁ H #& ˁ ˁ ;<
" &ˁ#&$#*,0*%) & ˁ $# " * ˁ "#ˁ) ,# 0,% 0 ˁ ,(#0, &ˁ#ˁ20 #"0.
" # & = ˁ ;<
#&, 0+6# 0ˁA I , F ˁ ˁ ;<ˁ#ˁ;9
C A &B 0F ˁ ˁ ;9
)# 0 0 ˁ $# " * ˁ "#ˁ) ,# 0,% 0 ˁ $B) & $(0 ˁ 2 06#+&
&* #+* 0&ˁ#ˁ B#))0&ˁ 0 ,#&ˁ A I , F ;9ˁ0ˁ ; :
#" *0ˁ"#ˁ &B 0 ˁQ +0)ˁ"#ˁ 1 #" * +0ˁ#ˁ&* #+* 0&ˁ0**#&& 0& ˁ ; :
) ,0 ˁ ; :ˁ#ˁDL
I $%)0 ˁ #1 0+0 ˁ"#ˁ) ,# 0,% 0ˁ#ˁ +"%&, 0 ˁ DL
ˁ #* #0) 20 ˁ I# " *0ˁ) ,,# 0 ˁ#ˁ +&, %*, 2 ˁ ˁ DL
(#0 0)ˁ #1 0+0 ˁ , * .Z),#A0 ˁ DL
(#0, 0)ˁ #" *0"0ˁ0 &ˁ010" #&ˁ"0ˁ0 ,#ˁ " 0 1 0, *0 ˁ DLˁ#ˁD7ˁ
?+ 2# &0)ˁ &B +#+&# ˁQ +0)ˁ" &ˁ +,# #&&#&ˁ$B/& * & ˁ 1 0#&
#.ˁ) ,,# 0 & D7ˁ0ˁD;
#2%#ˁ %& ,0+ #++# ˁ ˁ ˁ ˁ D7
#1 0+0ˁA F ˁQ +0)ˁ) ,,# 0 ˁ#ˁ +&, %*, 2 ˁ DD
ˁ (#0, 0)ˁA F ˁ DD
#1 0+0 ˁ % & ˁ Q +0)ˁ"#ˁ +&, %* 0 #ˁ #* # ˁ DDˁ#ˁDE
#+, +#))0ˁ " ˁ I 0)* ˁ DE
20" ˁ A L F = ˁ DE#D<
?+ 2# &#ˁ I , #&* ˁ Q +0)ˁ"#ˁ +&, %*>0 ˁ #ˁ #* # ˁ\ ˁ D<ˁ#ˁD9
Q +0) &1 ˁ#1ˁ 0 ˁ A78;Dˁ0ˁ78E;]0
B) ,(#*0ˁ"#ˁ 0ˁA F ˁQ +0)ˁ? ,,# 0 ˁ D9
+*/*) $#" * ˁALF ˁQ +0)ˁ ,,# 0 . ˁ D8
1$)0" ˁ #1 0+0 ˁ I ,, #&* ˁ D8
0B +#,#ˁ ,,# 0 ˁ"0&ˁ +,0 +(0&ˁALF ˁ@ +0)ˁ) ,,# 0 ˁ D8
Q +0) &1 0
+" *0 0 ˁ "#ˁ0)6%+&ˁ@ +0#&ˁ$ &, #&ˁ0 ˁ # +0" ˁ "0ˁ&#+(0ˁ ˁ 03
0ˁ D ELˁ#ˁE7
%B& " #&ˁ$0 0ˁ ˁ#&,%" . ˁ D:ˁ#ˁEL

/0(ˁ "4ˁ0**"' 0/0"ˁ,#" . "$"#0ˁ2"*ˁ .+1:"#0 .+-$"*ˁ20ˁ . ,#+-*0 DAˁ0ˁ D>
-/40ˁ #0; '0ˁ < ˁ D>ˁ0ˁ6?
Pˁ #+/0 ˁ ˁ ˁ ˁ ˁ ˁ 6Wˁ0ˁVC
ˁ +;#0 '0 ˁ ˁ ˁ ˁ ˁ ˁ ˁ VWˁ0ˁCA
Pˁ Mˁ +ˁ 1 $$+#0$4#0ˁ *0"*a# $0ˁ 3+2 '0ˁ M+ˁ '10** '0 ˁ B "$ ' 0ˁ 1 "ˁ +*$0;+1+'
.+-$"ˁ2"ˁ#+*,+'$3)ˁ '4#+" ˁ 6Aˁ0ˁ6D

.D ; N .

+6% &, *0' 6* 0)' +" .#% $#0'#' #&$#* 0)' 10+ *0'A , * 0' " '#&)0B#)#.
* 1#+, ' "0' #&$#*) 20' *0"# 0-F ' <E'0'<:
2 &'#)#1#+,0 #&'* ,+$#+" &' B 0&' " 2* &0&' '%#' &'6 2# + &'0" $,0.
)01' %'5H# 01' 1$ 1 87'0'8:
/*#%' "0' *#)#&, 0)' "#1' ,# *# 0' "0' 0 , && ,+0' +"0"#' "0' * "0"#' "
I , ' 8:'#':L
/*#%&' 0* +0#& ' :L'0'7<E

#,(" &' "#'#+& + ' * 1' #5# #+"0'0' +&, %* '$ 00 0 ' 7EE'0'79:
%&#%' %+ "$0)' " ' I , 0 ' 79:' 07:9
' I0 , *%)0 ' " ' &$,0)' "0' 0 +(0 '$ @#*,0" '#1' 78;< ' 7:9'#'7:8
C I)%#+&#' "#'$ +,% 0&'#&,01$0&'#' %, &' B@#*, & ' 7:'0'NLE
C "#'(&, 0'+0,% 0) ' NLE'0'N7;
C +0&'$ 2 +* 0&'%), 010 +0& ' N7;

B&# 20, , ' #0)' &, + 1 * ' "0' 0 +(0 ' H D'0'^E?
)5 * +0' #6 0' ,(6 0$(*0 ' N;L'#'N;7

I $ #"0"#' ,,# 0 0'#' , &, *0 ' N;N'0'NE;'

>% +,0&' "#'#+& + '06 *)0@',(# * '#' $ 0, * ' NE;'0'N<8

JL' % & ' %$# ' "#' #,, 0&'5 * %'0&& 1' * +&, ,% " '$#) ' "#* #, ' "#'78' "#' %.'
,%B ' "#'78980
7 ' 0"# 0J &, 0=%+ 2# &0)'#'$0, 0' 'K
N ' 0"# 0J +6%0#') ,,# 0,% 0'& &Y ,0'2#" *0#'*)0&& *&

; ' 0"# 0J IB)) 60'* 1$0 0"0
' ' 0"# 0J ,,# 0,% 0'6 #60'#')0, 0'
0++ @ ' 0"# 0J ,,# 0,% 0' 1 "# +0'#&$#* 0)1#+,#' @ ,%6%#H0
A< ' 0"# 0J I() & $(0
;M 0++ Z'6 ' 0"# 0J &, 0'%+ 2# &0)'$() & $(*0

+'"1: .+-$"* ' I6W'0'IVD

#1 +0 &' *#&0+ & ' N9<'0';L;
*#"0"#' *(#) 6 *0' %& ,0+0 ' ;L;'0';ND
2)&0" 0"> &, *) "1 + &@ 0)2 "#' 0&,#)) ' 0+* ' ;ND'0';N9
"0 /$ 6 0$(0' 1 1# * 0)' I ,%#+&# ' ;N9
-"0&' 0&0&' "#' &/) ' "0' +50+* 0' #&20) "0 ' ;N80';;7
"0&' * #+* 0&' #" *0&' "#' &B 0 ' ;;7'0';D;
"0&' * #+* 0&' #" *0&'#' "#' ,,# 0,% 0' " ' I) ' ;D;'0';DE
"#' 6 *%))% 0'#1' &B 0 ' ;DE'0';D9
"#' , *%) % 0' I ,%6%#H0 ' ' ' ;
"#' +&, %*>0 ' I 1 0 0'#1' &B 0 ' ;D9'0';E7
" &' 1 6 &' "0&' #,, 0&'#' ,#&'#1' ' 6%#) ' ;E7'0';E8
' ' #1' &B 0 ' ;E:'0';<7
&*)0&, * . *) 0#)#+&# ' ;<N
&*)0&, * =IB) 1 0, *0 ' ;<N#';<;
) 0'#' I 1 +0' ' ' .;<D'0';<9
0)' " &' 0%5 06 &'#' "0'%+ 0 ' "0&'+0 6 #&'& B #' ,%" ' '%0+,
<' #)0, 2 ' 0 ' * 1 1# * ' #' 0&'&* #+* 0& ' ;<9
0% " *0' "#' &B 0 ' ;<8'0';9L
0% " *0' I ,%#+&# ' ' ;97'#';9
I(0 1 0*#%) *0 %& ,0+0 ' ;9;'0';8E
I( )0+, $ * . *0"*1 *0'#&,0B#)#* "0'#1' 1 B 0 ' ;8E'0';:7
I 1 , 0' "0' +"%&, 0 0* +0) ' ;:7'0'DL;
I 1 , 0' " &'1#)(01#+, &' " ' "&, *, ' "#' 2# '#' "0'))%&.
, 0 0 ' " &'$ 2 &' " ' 1#&1 ' &, *, ' DLD'#'DLE
' I $060" 0' "#'* +(#* 1#+, &'%,# & - ' DLE'0'DL8
*#"0"#&' 6 *)0&0 ' ' ' DL80'DN
*#"0"#' I 1 , 0' "#' 6 *%),% 0' *B0#)#+&# ' D77'0'D7:
' 6 *)0' 0"" #+&# ' D7:'0'DN;

-2 '+ 20* ,+**"0* + '"#,"#0' +* 2+ 9"+ *+ 0G . +-'0"
-+*$+ $" ."

B#) 0 0 Q "0 I0 20 0+& 4 * 1 #5* #+* 0 0 & ++0#&"0 * #"0"#
Q% " *0 "# &B 0 ; ;9L
6 &, +(Q &< # *4 #G$#"# 0 $,0 0 1 % , + ,02#) "# N; "# 10
"# 78; ; #)0, 20 0 * #"0"# Q% " *0 "# &B 0 ; ;<8
)#G0+" # # *%)0+ 4 * 1 #5# #+* 0 0 # 0 * #"0"# I $0
60" O " & +(#* 1#+, &?,# & N< DL;
)#G0+" # " 6%#& # # 0 A " @4 * 1 #5# #+* 0 0 $%B) *0 0 " &
&#+& #&* $, & #)0) 2 & 0 2 06#1 +0& $ 2 +* 0& " 0&) N7L # N77
+, + 0) &"# #)) 4 * 1 #5# #+* 0 0 * #"0"# "0& * #+* 0& #" .
*0& # "# ,,# 0,% 0 " I , ; D;
+, + "#)1# "0 0&* +*#)) & 0&,#). 0+* 4 * 1 #5# #+* 0 0 * #.
"0"# 2) &0" 0 " " &, *, '0"1 + &, 0, 2# "# 0&,#)) 0+* ; ND
+, + "#) 2# 0 0 #*04 #+*0 ,#60" # 1 78; ; "0 #"0* 0 " ,Q .
+0) "#+&0) "# "%*0 0 & 7<
+, + #) * 0+ "# 0&,)(4 "#$ & 2 &* +"# "# 0&,)(0
1 #5# #+* 0 0 A * #"0"# " & 1 6 & "0& #), 0& # ,#& #1 3
6%#) ; ; 7 # ; ;N
1 #5# #+* 0 0 A #)(" "#)# ,% 0 #$#+ +0 7<; 0 79;
1 #5# #+* 0 0 A * #"0"# I 1 , 0 "0 6 *%))% 0 5 *(0#)#+.
&# D7; # D7D
+, + Q &# # G# 0 A " F4 $ $ # * 1 "#$%,0" # 1 789D 0 * #060
"#, #& *0"# 0& "#) +6% &, *0 %1 0 #1 &B 0 %, 0 + I , #
%, 0 #1 1 B 0 <D 0 <9
N8

.D ; < J

%6%&, # +0+" = " 0 "4 6 02O 0& 1#"0)(0&"O * #"0"#I 1 , 0
"O +"%&, O 0* +0) ;:7

)0 A Q "# F4 0$ +,O #1 78;<0)6%10&+#*#&& "0"#&+ , *0+,#
0&* &0&"# 0%"# 7L
0+"0 A +&#+) F4 O &%O #G#1$)0 $#"0"#&#"#2#%#)(1#+,
"# &&O #+(O "O Y$0 N9N#N9;
%55 +4 106+5 * #) 6 "O02#& +(O *B010"O #@0.) <

0B0+ &4 '%#" &&#O #&$#, "#3 * 7L
01$0+(O AB0 0 "#F4 55# #*#"O $0 ,#"#). # # +0+" O * #.
"0"#I(0 10*#+, *O %&)0+0 %+ #G#1$)0 "O4 4 ;8L
0 #=_A (10& %+,F4&%B" , +6)#H$ 1%, ,#1$ #& "#+,#+ & H 3
#&4 + &, %O #"0* 0 ")10+0*(% 0)" & H #&%10 1.
$,0+, && 10* 11%+ *060 & B # *) 10 "=0'%#))0&)(0&0* 1
$0+(0" "#0"#'%0" &10$$0& D7E
+"#"#" 0&, # #@04 , ; : :
+"#"#" 02 0" 4$ $ &,O '%#5#H +0*010 0" &" 6+ &$0 #&#)0, 20
1#+,#0& B&# 206 #&"O#&, #))O"# 6#)0+"# N7<
%&, " Q &#"#")2# 04$ 5#&& "#6 #6 #1 &B O + &#*%) G21 4
5 #+*0 #60" "#* 1$ %1)#G * +6 #6 .)0, + 10&+0 * +&,O
'%#0$ #&#+,0&&#5 %*, " &#%, 0B0)(4Q#H $0+ "#%10&#)#.
*,O6 #60$ #, *0 9;

1 +6 & +, + # '%# 04" &, +*, 0 , &,04& B O&%O" #*60 5 01
5# ,0& 0& 1#"0)(0&"O , * #"0"#I 1 , O "O +"%&, O 0* .
+0) 7 ;:7
%'%#"#I0)1#))O A I#" " " %&O)&,# +F4* 1 #)060 O * #"0"#
*(#) 6 *O %& ,0+0 ;79;::

D;8ˢ J

I

00&ˢ`Q0* Bˢ # +0 " ˢ#ˢQ 0 ˢ #"# * F4ˢ 5 * +0ˢ"#ˢ +&, %1#+, &ˢ10,B#.

10, * &ˢ+0ˢ " 0 0ˢ 0* 0) NNNˢ#ˢNN;

ˢ

Q# +/1 ˢ ,+) 0+ ˢ"#ˢ +" 0"#ˢA ˢ$0" #F4ˢ* 11)&&0 ˢ" &ˢ#&)%" &ˢ" ˢ" &.ˢ

5,- *, ˢ"#ˢ +6 0ˢ" ˢ # &1 .ˢ ˢ#) 6 ˢ" ˢ&#%ˢ 1# #* 1#+, ˢ 1 0)

#ˢ) ,,# 0 ˢ ?

Q 0 ˢ 0B 0)ˢ I# # 0ˢ 0$0ˢ#ˢ 0 4ˢ* % 6 0 ˢ"#ˢN ˢ*)0&&#ˢ"0ˢ$ 2 +* 0ˢ"#ˢ

+6)04ˢ#+*0 #60" ˢ"#ˢ*)) 6 ˢ#ˢ$ #$0 0 ˢ*))#*@ #&ˢ"#ˢ0+ 10#&

$ $ &ˢ$0 0ˢ1%&#%& ˢ ˢ ˢ N7;

Q 0 ˢ"0ˢ %+(0ˢ #2#&ˢ#ˢ 0 20)(ˢI ,%60)4ˢ* 1ˢ #5# #+"0ˢ0ˢ "#"0"#

*(#) 6 *0ˢ %& ,0+0 ˢ ;7<

Q 0 ˢ"0ˢ 0),0ˢ B0$%H#,4=* 1ˢ #5# #+"0ˢ0ˢA "#"0" ˢ # 0)ˢ" &ˢ 0%5 0.

6 & KKKKKKKKKKK= ;<9

Q 0 ˢQ &<ˢ 0Hˢ I #, ˢ 0)"#&4ˢ* 1ˢ #5# #+"0ˢ0ˢ, *#"0"# ˢ 2)&0" 0

" ˢ" &, *, ˢ0"1 + &, 0, 2 ˢ"#ˢ 0&,#)) ˢ 0+* ˢ ;N9

Q 0'% 1ˢ #+ '%#&ˢ 0"#&& ˢ"0ˢ)2# 04ˢ* 1ˢ #5# #+"0ˢ0ˢ 1$ #&&0 ˢ" &

ˢ"0ˢ *#"0"#ˢ *(#) 6 *0ˢ %& ,0+0 ;7<

Q 0'% 1ˢ 0 *(# 4ˢ0&& 6+0ˢ0ˢ* *%)0 ˢ"#ˢ ˢ"#ˢ@%)(ˢ"#ˢ78E;ˢ&) ˢ

' ˢ NE9

Q &<ˢ)#G0+" #ˢ"#ˢ 01$ &ˢA ˢ" F4ˢ ˢ$0+ ˢ6# 0)ˢ"0ˢ 60+ &060 ˢ" &ˢ#&.ˢ

,%" &ˢ#1ˢI ,%60)ˢ'%#ˢ0$ #&#+, %ˢ0 ˢ 1 + &) ˢ" ˢ # + ˢ 0+%#)

"0ˢ)20ˢI0&&#& ˢ :;ˢ0ˢ:<

Q &#ˢ +, + ˢ 0 4ˢ* 1ˢ #5# #+"0ˢ0ˢ5 "#"0"#ˢ 2)&0" 0ˢ" ˢ" &, *,

0"1 + &, 0, 2 ˢ"#ˢ 0&,#)) ˢ 0+* ˢ ;NE

Q &#ˢA Fˢ"#ˢ)0 *0 4ˢ0ˢ&%0ˢ% ˢ + ˢ $ ˢˢ 2

ˢ ˢ ;D9

Q &"ˢ"#ˢ 0+, ˢ +, + ˢ % 0ˢA5 F4ˢ$ 20&ˢ'%#ˢ"# G %ˢ"0ˢ&%0ˢ# %" 60

0 0B *04ˢ#+%1# 060 ˢ" &ˢ&#%&ˢ, 0B0)(&ˢ+-#&,#ˢ6#+# E<ˢ0ˢE8

Q &#ˢ"#ˢ #&4ˢ,0)#+, &ˢ06 0+ 0

, 6 ˢ'%#ˢ#&* #2#%ˢ$0 0ˢ ˢ# ˢ3 * ˢ"#ˢ ++ *#+"

* 1ˢ ˢ, ,%) ˢ"#ˢ B ˢ: ˢ D7;

Q &"ˢ" ˢ 0+, 4ˢ ˢ&#1$ #0ˢ0)10ˢ0ˢ5 >0- ˢ1 , ˢ"0ˢ *#"0"#ˢ$ 1 .

, 0ˢ"0ˢ 6 *%),% 0ˢ *(0#)#+&# D7;ˢ0ˢD7E

Q &#ˢ &,#20 ˢ #)B ˢ"#ˢ 060)(0#&ˢ 1ˢ #5# #+*0ˢ0ˢT 60ˢ %ˢ && "060

I 1 , 0ˢ" &ˢ #)(01#+, &ˢ"0ˢ 1$ #+&0 ˢ E7ˢ0ˢE;

"* ' 0'" . '" "##+ 0E +1"94+-$+' 2 *'4#*'" ,#" +# 2'" -0 *+**0'" *"1+ . -+' 20
0**+ . ;1+0 /+#01 20 "' +202+' #" . "$"#0 20 /# '41 4#0 ':0+Z
1+-*+Z >A6

"*2 "094 .' " . +* 2+' 0*$#'" B2+," *' '"-2+' 2+' 0*$#" E +1' '" 94'" :+'
+G ' 3 *'"-2+' 2+' 0-$0#+ .(," # $+# '"",+#02"(' " . '" . -*$#'" 2"*
-+/"' "* +*$#0-/+#"*(,0#00,4;1 '0/0"2+ ."-4 .+-$"*/+"/#0,: '
'"*(+' ,# -' ,01 . ' $+' 2'" 0 ."*'" . 0,,0 . 4-2'" 2+' #0 04#" ' C>'

"*+' "094 .' ",+* 2+' . 0E 0,#+*+-0E0'" 2+' 4#-' ,#"F+'$'" 2+' 1+ (#+10$ 3+
0"* 2 #' $"* 2'" . ,"#$0 02 2"* 01/"2 +* +*$#0-/+#"* +.' ,+/0 ' 7W>'

"*+' 0# 0 25 ;#+4'B'" 2# E 0** /-"4 0* '+10;"#020* ,+10 0'41'
202+' 2+' ,; 1"*",; 0(,0#00'" :+$0(,+,0#0/0'" +$' (2"* ,#"24'$"*
+' +8+ .,10#+* 2"* $#+* #+ -"* 20 -0$4#+G0 '
' *40 D * ' : ' >AD

"*2 '+-$+' " .+' 2+' "4#0E /#0-2+' ;4 .0- *$0 +' 2 *$ -'$'" :+11+- *$0E
'" .' #+ +#+-' 0 0'" - ' ; 2 ' 6W +' V?

41'" 2'" ! 1:+-0 B'" 2# E ,#",2+' '" ." 2+,4$02'" +.' ACVC(0'#+0/0'" -'"
4#*'" 4,+# "# 2+' +,#0* 2+' 4 .0 '02+ #0 2+' 1 -/4 *$ '0 /+#01 -2" '
+4#",20 +'+*,+' 01 #" .0- '0 6D(6V

4 G 4/4*$'" ";+11'" 20 130E '" .' #+ +#+-' 0 0 /0 "4' **"' 0/0'" #"Z
."$"#0 2"* +1:"#0 .+-$"* 20 .,#+-*0 ' DI

4 G 20 130 %& (' 2+' 1;494+#94+<
** /-0('" ." . -*$#'" 2'" #+ -"("* +*$0$4$"* 20 "' +202+20* ' +-
' 0* +2 '0* 2+' *;"0(+ .' AC76 ' W(77A
8,+2+' 0 ,"#$0# 0 2+' AA' 2+' F41:"' 2+' AC>6(#+10$ 3 ' 0 *++/0'" '" . .+#Z
.+#' 01 2'" N'+4' 0' "-01 2+' *;"0 ' ' AA7

0-4+1' 2'" 0 .0 T0#"E +-'0##+/0Z*+' 20 #+20+/0'" 2"* ' 20 $ "' +Z
202+' #':+"1"/ '" 4* $0-00 7A6

0-4+1' 20 130 0**"*<
" .' #+ +#+-' 0 0 $ /0 "4' **"' 0/0'" #" ." "#0 2"* +1:"#0 .+-$"*
201 .,#+-*0 ' DA
" .' #+ +#+-' 0 0'" , 0-'" 2+' +*142"* 94'" :+' 2 0,#+*+-$02'" ,+1'" 2#
"*+' 1+80-2#+' 2+' 0 ., "* ' W7 ' W6

0-4+1' 4-+* 0#;"*0E 014 .-'" 20 0410' 2+' -/:0 0#0; '0E"' 94'" +.'
(AC>X' "E ,#"3 2+-' 02'" 0 *+4' #+*,+ $" '

0-4+1 +;+11 20 130 B # E 0 *+4 +-* - 0'42 #0 . +*$#0-/+ #"*(0$#0
: 2+* ,+10 0 . 0 2+ *+# +11+ . +1:"# 0#0; *$0 +4#",+4 DD 0 6?
- B <
+# "''0* 0 20 *40 3 * $0 0 " . ;#0 + 0 - 3+#* 202+ 0G 4 . 2"-0R
$ 3+ /+-+#"* 0 B "' +202+ : 10- #", '" '02+ . '0Z 7CC
"# "''0* 0 20 *40 3 * $0 0+8,"* '0 20 -24*$# 0(0;+#$0 + . *;"0
- 2 0 IW 2+ "4$4;# 2+ AC>W(*+ :"43+ '" . /#0-2+ /+-+#"* 202+
'" . ,#0-2 2 3+#*"* ";F+'$"* -$+#+**0-$+* + '4*$"*"* 20 -24*$# 0
,"#$4/4+G0(F4-$0 . +-$+ '" . *+4 +*,2* + 2" * ;"* 7WD + 7W6

E 240* . 08 . 0* *40*
" . +*< ‖
0* ,+**"0* 94+ "1 +#+'+#0 . ,#+*+-$+* 0" 4*+4 "#$4+-*+ 0$ 0"
2 0 A 2+ +3+#2 #" 2+ AC76 I?I 0 I?>
+ 01/4-* :" . +-* 2+ 1+$$#0* + F"#-01 *$0* 20 B /0("4 **"' 0/0"
#" . "$"#0 2"* +1:"#0 . +-$"* 20 . ,#+-*0Z DA 0 D>
+ 4-202"#+* 2+ +*'"10* -0' "-0+* "4 #+/ "-0+* 2+ 0/# '41$4#+(-0
4 **0 + . #0-'0 I6D 0 I66
"* 0#0; *$0* -"$03+ * + . "#$4/01 D> 0 6A
"* 1+-$+* 20* +*'"10* 2+ ' #4#/ 0 2" "*, $01 2+ "*2(+ . AC7D(
,0#0 0 ,4;1 '0 0" 2" Ÿ "#-01 20* ' +-' 0* +2 '0* 2+ *;"0H A>
"* 1 $$+#0$" + 0# *$0* 94+ *+ #+4- #0 . ,0#0 0 ,4;1 '0/0" 22 B "#R
-01 20* +110* #$+*Z A7
"* *"' "* 94+ '" . ,"*+#0 . 0 '" . . **0" 2+ #+20'/0" 2" "#-01 20
"' +202+ :0# . 0'+4$ '0 4* $0-0 2+ *;"0 ' . AC76 AA
"* ;" . +-* 2+ 1+$$#0*(-02"-;‖+* + +*$#0-/+ #"*(94" 0** /-0#0 . 0
#+,#+*+-$0 0" 2 # / 20 0" ,0#10 . +-$" ,0#0 0 '#+0/0" 2+ 4 . 0 '0
2+ #0 2+ , ; 1"1"/ 0 '" . ,0#020 "4 *' +-' 0 20 1 -/40/+ .
"* ;" . +-* 2+ 1+$$#0* ,"#$4/4+G+* 94+ $" . 0#0 . ,0#$+ -0 '" . ,"* /0,
2" - ; 2 2+3 2" 0 - ' 0$ 30 2" ; *," 2+ *+4(
#0-' *' 1+80-2#+ ";" V?(V7
"* ,"#$4/4+G+* 94+ -"**+'41"* 83 (83-(+ 83 4(2+#0 . $+*$+ . 4-:"
2+ '"-:+' . +-$" 20 1 -/40 + 1 $$+#0$4#0 :+;#0 '0 C? + CA
"* *"' "* 4-202"#+* 20 7?>(7AC
"* 1+-$+* 20 - 3+#* 202+ 2+ " . ;#0 94+ "#0 . 1"4302"* + . AC>?
,"# :03+#+ . , 4;1 '02" ', . ,+-2 "* E C1 + C7
"* 04'$"#+* 2+ 1 3#"* +1+ . +-$0#+* 94+ " "-*+1:" 4,+# "# 2+ A-*
$#4+/0" 4;1 '0 04'1"# *"4-"#+ -02" 20 *+-:"#0 0# 0 -(,0#0
+-* -" ,# . 0# "(*+'4-20# " + *4,+# "# CD 0

"* 3"/0+* 2" '"-*+1:" 02 . - *$#0$ 3" 20 ' "' +202+ 2+ -*$#4' 0"
. 0# 0 + . * ;"0Z -" 0- -" 2+ AC7D 7>V
"* . ,#+**"#+* 94+ 0 -20 -" *+'41" 83- '"-*'#3030 . . +-"* . 0-*
'0#0'$+#+* :+;#0 '"* C?
"* '0110;"#02"#+*(2 #+'$"#+*(#+20'$"#+* 2"*F"#-0+* *' +-$ '"*(1 $
$+#0# "* + 0#$ *$ '"* -" #+ -02" 20 *'-:"#0 0# 0 A 0 >C
"3 : - 3 (* >A6
>>C
"* 04'$"#+* ,"#14/4+G+*('4F"* +*'# ,$"* -"* .+- *$#0#0 . -"$ R
' 0* *";#+ " +*$42" 20* 1 -/40* "# +-$0'* + . "#$4/01
"* -2 = 24"* 94+ '" . ,4-;0 . 0 . +*0 20 0**+ . ;1+0 /+#01 94+ 0** /-"4 "* +*$0$4$"* 20 B "' +202+ 20* ' +-' 0* +2 '0* 2+ *;"0Z
-" 0- -" 2+ AC7D 77A
"* -2 3 24"* 94+ + . AC7W '" . ,4-;0 . 0 " . . **0" ,+# . 0-2-1+
2+ '"-*41$0* ,#"3 -' 0+*Z ' . *;"0 77V +77C
"* * /-0$0# "* 2"* +*$0$4$"* 20 B "' +202+ 20* ' +-' 0* +2 '0* +
2+ $$+#0$4#0 2" "#$"Z + . AC7D 7>>
0* ,+**"0* 94+ 2 # / #0 . -"* ,# . + #"* $+ . ,"*(0 B "' +202+ 2+ -
*$#4'BE0" # . 0# 0 + . * ;"0Z B *$0 ;# 1:0-$ ** . 0 7>W
"* -* /-'* ;" . +-* 2+ 1+$$#0* 94" "#0 . . + . ;#"* 20 B "' +
202+ *'"10*$ '" ; 1" . 0$ '0Z B *$0 +*,1+-2 20 2+ /#0-2+* $0
1+-$"*(2"* 940+* 3 3+ . ;"F+"* *#*0 -2#02+ "#3"(0$ -" "+1:"(
01 . + # . (0/01;0+* "4$ -:"(|| +-2+* +01(0#$ -*
25 -$0*(130 411 "(:" . 0G 2+ 0#301:" -$#+ "* 94+ F0 011+Z
'+#0 . '"-$030 . *+ -020 . +-"* 94+ 1+80-2#+ +#'410-"('2+
0*$ 11 "(1 . + 20 0###+$$(; '11" 20 130(13+*$#+ -:+
#" +##+ #0(*"' "* :"-"#0# "* 76I + 767
"* 3"/0+* 2" F4#N 94+ 2+4 " *+ , 0#+'+# *";#+ 0 +8, "* /0" 2+ 1"#+*
+ ,10-10* '+1';#020 -" ,0**+ " ,4;1 '" 2+ *;"0 + . AC6D 76V
"3 *94+'+4 -" $+8$" . +-' "-0# " -" . + 2+ 4 . 2"* . 0 * 2+2 '02"*
,#" . "$"#+* 20 +8, "* 0"(" *# N#+* 2+ 0 "/4+ #0
"* F0# *'" *41$"* 94+ '"-*$ 14 #0 . 0 . +*0 20 0**+ . ;1+0 /+#01 20 B "R
' +202+ 4# 2 '0 2+ *;"0Z + . AC7D 76C
0* ,+**"0* 94+ '"-*$ 14 #0 . " F4#N ,0#0 0 0,#+' 0/0" 20 +8, "* 0"
20 -24*$# 0 0;+#$0 + . *;"0 -" 2 0 IW 2+ "4$0;#" 2+ AC>W 7WC
+ 01/4-* 30#"'* 114*$#+* 94+ ,#+* 2 #0 . 0 "' +202+ #" . "$"#0 20
-24*$# + -0' "-01("4 25+110 "#0 . *+'#+$0# "* 7WI(7WW
"* 3"/0+* 20 '" . . **0" + 2" F4#N -" . +0' "* ,0#0 0 , . + #0 +8, "
* E0" 2+ -24*$# 0 . 02+ #+-*+ BACD? >?I + >?7
"* . 0 * -"$03+ * * /-0$0# "* 20 #+,#+*+-$0 0" #+10$ 3+ 0 '"-*$ 4)0"
20 B "' +202+ ,#" . "$"#0 2"* . +1:"#0 . +-$"* 2" 2 *$# '$" 2+ 3+ #" IP
720 114*$#0 0" 2"* ,"3"* 2" . +* . " 2 *$# '$"Z ' ' { >?D

"* * / -0$0# "* 2" #+10$"# " 2+ 7? 2" -"3+ . ;#" 2+ ACV7(0,#+*+-$02"
0 "' +202+ #" . "$#0 20 /# '41$4#0 ':0+1+-*+ >AA
"* . ':0+1+-*+* ;+"+ . +# $"* 94" - ' 0#0 . 0 "#. 0/0" 20 "' +202+
#" . "1"#0 20 /# '41$4#0 ':0+1+-*+ >A7

0*'01 0 *40 2+2- /0" 20 ,
+2#" 2+ /4+ #2 B # . 4 $" 3+#*02" -0 1 -/40 :+;#0 '0 ,"# **"
+#0 ':0 . 02" " . C?
* $0 " N'+4 20 +1+*$ 01 #2+ . +#'+ #0 20 0-$ ** . 0
# -202+ 20 ' 202+ 2" "#$"(+ 01 2 *$# ;4+ "* ,#+ . "* 0"* 014 . Z
-"* 94+ . 0 * *+ :03 0 . 2 *$ -/4 2" -"0- -"1+'$ 3" 2+ ACDW AC6? CW

"2# /" 20 "-*+'0 0/01:0+*<
" . #+ +#+-20 0 K /0("4 **"' 0/0" #" . "$"#0 2"* +1:"#0 . +-
$"* 20 . ,#+-*0Z DA 0 D>
" . #+ +#+-20 0 Z "+ +202+ #" . "1"#0 2"* +1:"#0 . +-$"* 2" 2 *1# '
'$" 2+ 3+ #"(+ 20 114*$#0/0" 2"* ,"3"* 2" . +* . " 2 *$# '$" >?D

0 . ,0 " B "-*+-:"# *4;*1 $4+ . "-*+-:"# #0-20" -0 2 #+'/0" 2" #+'"
: . +-$" 2+ "**0 +-:"#0 20 0,0 IV7
+;0*$ 0" "*2 ;+ #" 2+ 0 2+*'#+3+ 0 +8,"* /0" 20 -24*$# 01 2+ IW 2+
"4$4;#" 2+ AC>W +#0 *;"0 7W6

#;0-" B '" . #+ +#+-' 0 0 Z 01+# 0 $$+#0# 0Z V
B #'4114 B "*+ 2+ . ACD? " 2+'10#02" 1 3#" +1+ . +-$0# ,0#0" +-* -"
20 1 -/40 -/1+G0 0 ; 94+ +11+ '" . ,"G+#0 CD

' ' # 3

I

*'"-2+ˢ 2+ˢ 1.+ 20ˢ 0##+$$ˢ +FOEˢ ;

*'"-2+ˢ 2+ˢ 0*$1:"ˢ +FO<ˢ ˢ 4 ˢ ˢ :

! *'"-2"ˢ 2+ˢ "#0"ˢ B "*2ˢ -$"- "ˢ "#0" Eˢ " +#+'+ˢ 0ˢ 1 3#0# 0ˢ 94+ˢ :+#2"0

2+ˢ *+-ˢ $ "ˢ ,0#0ˢ ; ;1 "$:+'0ˢ ,4;1 '0ˢ 20ˢ ' 202+ˢ 2+ˢ 0*$+11"ˢ #0-'"ˢ ˢ 7I

4'$"#+*+#+*,+'1 3"*+*'# ,$"*' 02"*-Z+*B+$" ."

1+80-2#+ +#'410-"E
#*** + 4 I>?
* I>I
-$"- 0+$0-+#+ #0 %
@" * 5
% 6W
-$"-B /-0' "+1:"2+ "#0+*E
5 * 2
+ +
VI 0 V6
" * Y - ; 2 * < 2
: 8 8 2+*2+ ACIW 0$ ACV7 V7 0 V6
4/4*$ 1 , ,+ ."+* B 2# (*
7I>
"/4*$ +-2+* ."+* 2+ 0*$#" ; $: 2
7WA
-$"- + #0 B",02#+ : IV7
4/4*$ 0#1"* + 8+ #0 2 #0/0" # * 7I7+7I>

1
"4 11+$ # < < A6A(I?6

;0#;"--+04 B ':+1 : * * B$#024G 2" ,"#
"*2 '"104 0,"*" "$+1:" A A66
:0$+04;# 0-2 +F0< ? :
"#2+ #" B,02#+ -$"- " . (AW7

011"G % * I>W
0. 0" 2+ "+* : * #* AW7
0:. +# B 0#1 (# I67

/ /+# 63 4 ? V6
** 30# *$" "*+ +##+ #0 ; ** CI

+#2 -0-2 +- * B "11+' 0"< ?< ACW
(1 , ,+ "194+ B" 2# : 9 5 +.
ACC7 U II 0IIC
"#'02+ B : , &% - ' I>D I>6
#0-' *'" 2"1, :" 2+ 0#-:0/+. . 3 IAA
#0-' *'" -$"- " "2# /4+* 2+ 4* . 0"E
< * ACIC AC77 V?
/ * * 2
* VI
#0-' *'" 4/4*$" T03 +# 25 . + 20 " < 2
5 " I?C

DD9 J

)

#0-' *'" "0" T03 +# 3 (* " ; >C
#0-' *'" 0# 0 4, '" 1 * * AC66 7DC

""2"1, : . & 20 "*$0 . 7CD

2+ 0#301:" #"*$+* , * * 6 A6>A ACVI >W

--"'+-' " $#0-' *'" 20 130 # 3 * >7(>W(6?(7WC

"0" 0,$ *$0 2+ 0*$#" 5 ** IVI
"0" 0,$ *$0 ;+ #" 8-* 5 I?>
"0" +##+ #0 0 . ,"* B" 2# * * W>
"0" "*2 2+ "4*0 +11+* * 2
< AI(>W
"0" +2#" ;+ #" % - 4 ADW
"094 . 2+ 0*'"-'+11"* % 3 AWA
"094 . 0#1 -* 2+ 0#301:" " * ,4;1
'020 -" : D?
"094 . "* 20 "*$0 2+ 0'+2" # D $ ACD> 2
* * % * 2
* * I?W
"*+ 0* +##+ #0 : : I76(I>D
"* "- * " "##+ 0 # * AI(7V7
"*d 0# 0 2+ ;#+4 B2# % * 1 20
* * 20
< : ACDV 7? $
2+1CD I?V

0-4+1 +#-0#2" ",+* +#-0-2+* 5 7WI
* ! 240#2" 20 "$$0 + /0 B" 2# 8 2 2
VW IVV
0-4+1 #0-' *'" 2+ +2+ #"* "$+1:" / , B , 2
AV>
"-$0 / -+ B ':+1 + 8 A6?

#0 0(B ",+* # * * < ID?

0'GN-*a B1+ " . $+ ACC

0#0 30 B'0#2+01 9 * $" . " 3 AW7
0 -$+ +43+ " - I>C
13+*1#+ +#-0#2" . 0 # (; 2
AI ACVC I6C

#'4114 B ("*+ ! * Y AW?

0#/0* 2+ +2 . 0# B" '"-2+ 2+ % 5 2
AC7D +AC76 AWI

J DD:

)

! *'" . 1+ 20 # -202+ # , * + 2 #

(* ! * 9 ! CW

! *'" -2+ 2+ :0$+04;# 0-2 , #1 /" -*+#$" -0 8 2

D * 5 A6?

! *'" -2+ 2 0-$0#+ . 8 (61 * 2

* * D 2 C>+

J

!

h

9 01(

IW

"1 +' ' +*(#+, "* 1"# "* ' +*'# ,$"*' 0-"-N . "*(
F"#-0+*' 1 #0# "* ' *' +:1 1 '"*(+$' (. +0' "-02"*' -||+*$+' 1" . "

+$0*' 20*' *+**"D*' 20' '02+ . 0' +01' 20*' ' +-' 0*' 2"' *;"0 ' DW
'$401 202+' B "#-01' 2"' "#$" E ' 67(I6A(I6V
--0+*' . 0# $. "*' +' '"1"- 0+*' ' AC
--40 #+' 2+*' 2+48' . "- +* || ' >7
4$"' 20' -*$0110 0"' 20' "' +202+' :0# . 0'+4$ '0' 2+' *;"0 ' IV7

"1+$.' +#01' 2+' -*$#4' 0"' ,4;1 '0 ' W?

:#"- 94+' 24' "4#-01' /+-+#01' 2+' # . ,# . +# +' +$ 2+' 10' 1 ;#0 # + ID7
"11+' 0"' "1 ' 01' 20' +/ *10 0"' 2+' 2 +#+-$+*' 0- - "* ' AC(IAA' +' IAI
IWZ

J ˢDEN.

0# "ˢ 20ˢ 0 . 0#0ˢ 2"*ˢ *#*ˢ 2+, $02"*
0# "ˢ 2"ˢ "3+#-" ˢ 6I(ˢ 7VI

*$0$4$"*ˢ 20ˢ "' +202+ˢ 3 1 *02"#0ˢ 2"ˢ 2 *$# '$"02 . - *$#0$ 3"ˢ 2+ˢ 0*$+11"
#0 - ' " ‖ 7IV

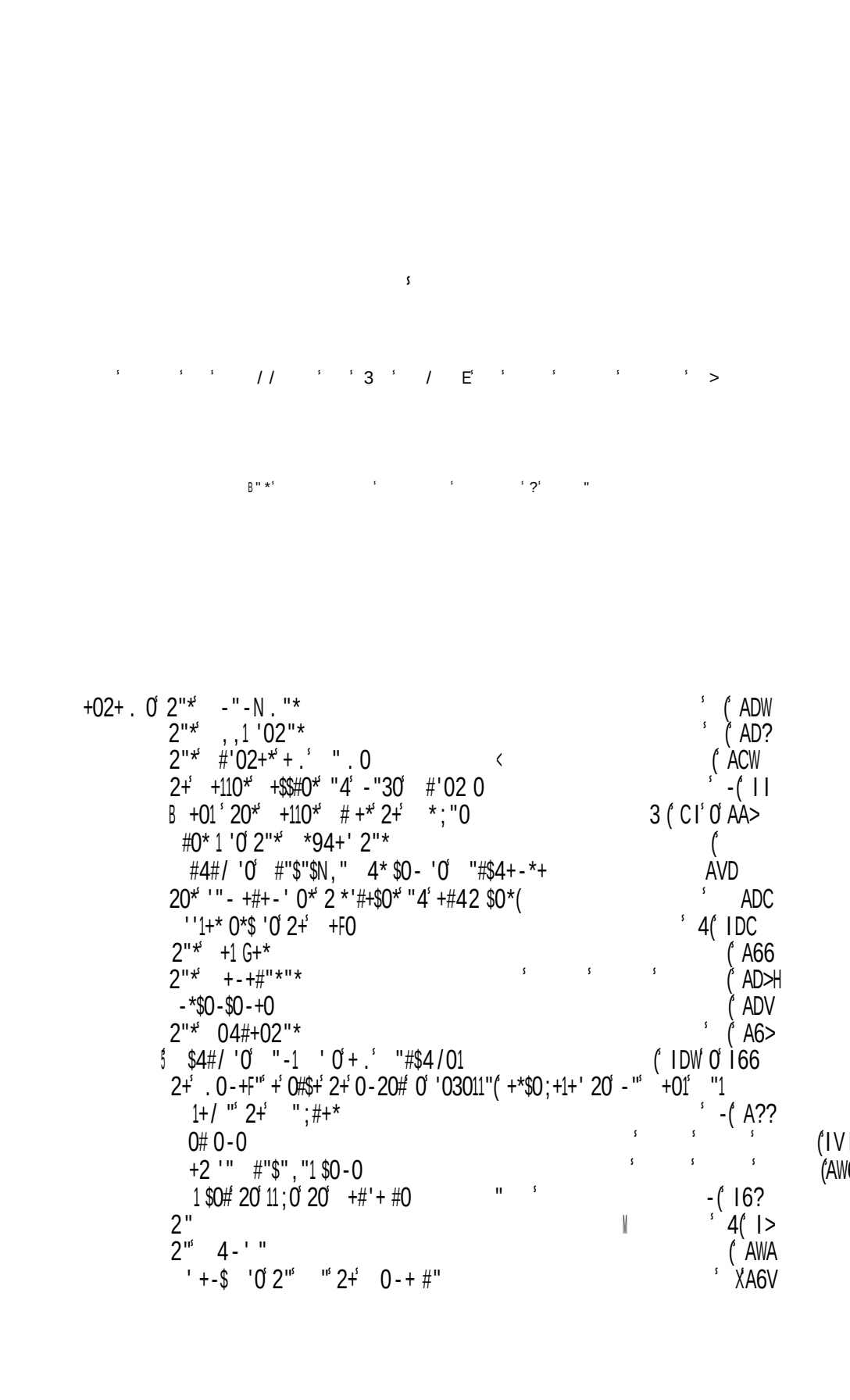
-*$ 4+ˢ B2+ˢ " . ;#0 ˢ V?(ˢ CW(ˢ A6A(ˢ AVA(ˢ ID?

"#-01ˢ 20ˢ "' +202+ˢ 20*ˢ ' +-' 0* +2 '0*ˢ 2+ˢ *;"0ˢ ACV7 ˢ 7>I
"#-01ˢ 20ˢ "' +202+ˢ 2"*ˢ . /"*ˢ 20*ˢ +$$#0* ˢ 76?
"#-01ˢ ' 01ˢ 2+ˢ /# '41$4#0 E I6V

% >
"ˢ "-*+1:"ˢ 4 , +# "#ˢ 2+ˢ -*$#4+F0"ˢ 4 ;1 '0 6A(ˢ ACVˢ 0ˢ ADW
ˢ 1 + &,# ˢ " ˢ # + ˢ 0&ˢ *0 1 # 0&)#6 &)0, 20& ˢ ADD
0ˢ AZˢ *+')0"ˢ 2"ˢ "-*+1:"ˢ 4 , +# "#ˢ 2+ˢ -*$#4+/0"ˢ 4 ; 1 " 0 ˢ A6W
ˢ 1 + &,# ˢ "0ˢ 1 0 +) 0ˢ +ˢ ?), 0 1 0 ˢ 0&ˢ ,#&ˢ ACDC ACDWˢ ˢ IID
) 4+ˢ ,#+'+2+ˢ "ˢ 2+'#+$"ˢ 2+ˢ IWˢ 2+ˢ 2+G+ . ;#"ˢ 2+ˢ AC6> ˢ IDC
+ˢ 4 . 0ˢ '" . . **0"+-'0##+/020ˢ 2+ˢ -*,+'' "-0#ˢ 0ˢ /#0-F0ˢ 2"ˢ 0#94+G
$0,020ˢ 20*ˢ +#+ *(ˢ +ˢ 94 -$0ˢ 2+ˢ ˢ +-$"ˢ BAC6A ˢ IDW
"ˢ . - *$+# "ˢ 2"ˢ #+ -"ˢ 0,#+*+-$02"ˢ 0*ˢ '0 . +#0*ˢ 1+/ *10$ 3+*ˢ +,0ˢ 7?ˢ 2+ˢ
-00#X"ˢ 2+ˢ AC>W ˢ I67

J ʻDE ; J

0ʻ . +*0ʻ 20ʻ 0-$0ʻ 0*0ʻ 20ʻ . *+# *"#2 0ʻ 2+ʻ *;"0ʻ BACV6ʻ 0ʻ ACVV ʻ IV ʻ
dʻ '"-$0ʻ 20*ʻ 0*0*ʻ 2+ʻ *N1"ʻ 20ʻ - 0-' 0ʻ +*3012 0ʻ 2+ʻ *;"0 ʻ 7IC ʻ 0ʻ 77A
+,+#1"# "ʻ 1$+#0# " ʻ 7VI
',"* 1"# "ʻ 1$+#0# "ʻ 20ʻ "' +202+ʻ 1$+#0# 0ʻ " $4+-*+ ʻ 7>D
+3 *$0ʻ - 3+# 1ʻ *;"-+-*+ ʻ >7(ʻ 6?(ʻ A6V(ʻ 7D?(ʻ 7DI(ʻ 767
+34+ʻ "1 $ 94+ʻ +$ʻ $ +#0 #+ʻ 0# * ʻ VV



'02+ . O +$#","1 $0-O 2+ +$+#*;4#/" B #O '"##+*,2-2+-' O '"- 0
'02+ . O +O 2+ *$"# O "#$4/4+GO -" 0--" 2+ AV7D -(I>V
"1N$+':- 'O 2" "#$" 3 (A6?O ACA
"#$4+-*+ 20* +110* #$+* 3 (ACA OAWD
"#$4/4+GO (A67 +A6>
2+ "#$4/O +#O " . 0 (ACA
#";1+ . 0$ 'O A6>
+O 2+ "#$ '0/0"(0#$1:+# O + 2+*+-:" -(IV O 7IE 76W O 7V>(
(IAC O II?E 3 (AW6 O AWC
+FO< 8 8-
+O 2"* 40#20* 0# -1 0* -(6A O 6>(>IV O >>AE 3 (AD6 O ADW
+FO< 8 "

+O 2+ *$"# O "#$4/4+GO<
40 4-20/0"E ,#"3 2+-' 0 0- . 02"#0* 20 ,0#$+ 2" *";+
#0-"E 2"'4 . +-$"* 2+ +*$42 "*O + 4$ I 0, ,1 '0/0" 94" "* *"
' "* 1+/0#0 .< " 1"43"# 94+ . +#+'+#0 . 0" 2"4$" ,#" +**"#
011+ . 0"(" *# ; -+#("* $#0;01:"* 2+*$O ;+-+ . +# $O '"#
,"#0/0" (A6W O AVI
'-+ ' "* 94+ #+'+;+ 20 1 ;+#01 202+ 2+ +1 #+ "0" 3(-"
94+ #+*,+ $O O . ,#+**0" 2+ +*'# ,$"* -(7I I + 7I7
. '"##+*,"-2+-' O '" . O * 2+ + -(I>V + I>C

+O 20 0# -;O + " . . +#' " 20 ' 202+ 2" "#$" -(7CV O >IVE
(IIA O II>(7>6 O 7D?E 3 (AD? O ADD
+FO< D
+O 2+ 0# -;O 2+ *;"0(-(7I O 76(7VD O 7CVE 3(II? + IIA(
7>> + 7>DE (A>(A>V AD)

'02+ . O +O 20* ' +-' 0* 2+ *;"0<
" #+ -02" 20 *+-;"#O O# O -(7V O 6A
" ,+# "2" 2+ AVWI O AC16 B,# -' ,+ "0" + #+ "0" 3 -(
I6V O 76W
" ,+# "2" 2+ ACIC O AC77 B" *+-;"# - 0-$+ /4+1 (3(77W
07>>
" ,+# "2" 2+ AC7> O ACD7 B +2#"(2494+ 2+ #0/0-/0(
+ O *+-:"#O O# O - 3 (A7 + A>(AA> O A>V

P " & #+0&* " & 7<9
2"* *0/#02"* # $"* 2+ *$"# O +''1+* 0*$ 'O + . " . 0 (IDW
20 0/#+* [$(7?(>6? O >VI

'02+ . O 2"* +1+'$'* (A66
2"* - , 410#+* (ADV
H 2"* "1 $0# "* (A6>
H -O 110 2" 4 . 0#0+* (A6D
'02+ . 0* 2" "#1 '0/0" -0* ,#"3 - ' 0* (AD>
+"2+ . 0* ,0#$ '410#+* 2"*Q+'41"* + B 4 G"'# 1 '" *";#+ +110* (A6V
'$" 2+ F4*$ O , "1 $ 'O +-0' "-01 B + , "* 2"; 4*$" + . ;#"-G+ 2" - 0#
94'G 2+ " . ;01 -" ,+2+*$01 20 +*$0$40 +94+*$#+ 2+ "*+(+ .
AC77 6V

/# '41$4#0 +FO "* *+/4 :$+* '0, 141"*< Z
'02+ . O +01 20* ' +-' 0* 2+ *;"0 (I6C +/4 -$+*
-* -" /# '"10 34(7A O 7>
-*$ $41" /# '"10 3-(7I? O 77D
#", "*$0* ,0#O O '#+0 " 2+ "' +202+* 2+ /# '41$4#0%% 3(IVC +I VW
)4 -$0* 2+ ' -* -"Z0/# '"10($:+"# '" + ,#0$ '" 3 (I77 O I6C
"' +202+ #" . "$"#O 2+ -24*$# O 0' "-01 3(IC> O ICCE 3 (7WA O >?7
"' +202+* /# '"10* 3 (>?C O >I7
4;*$0-' 01 #+*4 . " 2+ ,#"3 2+-' 0* ,0#O ,#" . "3+# " +-* -" + ,#"
/#+**" 20 0/# '41$4#0 3(A6W O IA I
/# '41$"# B? 02+ #+-*+ 3- (>AW O >I7
B? ': 0+1+-*+ 3 . (>AA O >A7

1 0-2+/0*('" . #'10 0" O 1 3#"*(Z+*$0 . ,0*(. 0, ,0*(. 4* 'O +" ";F+'$"* 2+
. 4*+0 3 (AWC O I?7
1 . 0-0' : #4#01 2"* G"#+* ,0#O "* 0- -"* 2+ ACDA O ACD7 , 4 ;1 '02" ,+10
"' +202+ #" . "$"#O 2+ /# '41$4#0 ': 0+1+-*+ 3 (>A> + >AD
. ; /0"(+ . 0 "# . "-$+00 . ;) 0", "1 $ '0($+#-#"4 ;02"0'41$4#020* *' + -
' 0* . 4 $"* ;" . +-* 94+ O +*$0* , "2+# 0 . * *+# /#0-2+ . +-$+ ,#+*$0
3+ * V7 + V>

- -0+*E
O "' +202+ #' :+"1"/ 'O 4* $040 3 (>I?' + >I AE 3 4(7A6(7I I
O "' +202+ $$+#0# O "#1 +-*+ 34(>AC + >AW
O "' +202+ #" . "$"#O 20 -24*$# O 0' "-01 34(>AW + >I?E 3#0(>??' + >?A
O "' +202+ 4# 2 'O 2+ *;"0 3-(>I AE 3 (76W + 7V?
0* *' 9-' 0* + 1+$$#0* , 4 ;1 '02"* 2+;0 8" 2"* 04*, ' "* 20 '02+ . 0
+O 20* ' +-' 0* 2+ *;"0 3 (IAD
" "-*+1 : " 2+ 042+ 4 ;1 'O 2" + -" , 34(>IA + >II
" "-*+1 : " 11#0 . 0# -" B "1+$. + - -0+* 3 (7VW
0# $. "* + '"1"- 0+* B **"' 0/0" 0# $,O + "1"- 01 3H(I7? O I7>E
+ 3 - (=$

DE8.

++%0 ˢ "0ˢ 0 +(0 11(7:L

$ 101#+, &ˢ * +)#+" ˢ +&, %*6%#&ˢ $0 0ˢ &ˢ +0,% 0) &,0&ˢ #1ˢ 2 06#1ˢ * 1
1 && +0" &ˢ $#)0ˢ ?+ 2# & "0"#ˢ "#ˢ YF + B 0 ˢ 2ˢ #ˢ E<ˢ
Pˢ (&, * .)#6 &)0, 2 &ˢ & B #ˢ 0ˢ +,# U%$60 ˢ " &ˢ #&,%" &ˢ # " +.ˢ
#&& #&ˢ "#ˢ $# "0 ˢ "#ˢ 0 & 2ˢ DNDˢ 0ˢ D;94ˢ 2 ˢ ;9:ˢ 0ˢ ;:;
" 3ˢ ˢ , 1 ˢ 2 ˢ * 1#60ˢ #&,0ˢ +" *0*0 ˢ $#)0ˢ $0)02 0ˢ
(*
ˢ & B #ˢ 0ˢ #& "#+* 0ˢ "0ˢ * ,#ˢ $,%6%*H0ˢ + ˢ ˢ "#ˢ Q0+#
* 1ˢ #5# #+"0ˢ 0ˢ +&, %*>0 ˢ $%B) *0ˢ 0ˢ ACIA ˢ 2ˢ NN9
0.D;9

#'02 0ˢ 2+ˢ *;"0 ‖ (I66
Hˢ 2+ˢ ".0 ˢ (AW?
#': 3"ˢ 2+-"#0 -02"ˢ K 0$+"ˢ 20*ˢ 0''0*H Z -(AV
Hˢ 11 0# 0 ˢ IIAˢ 0ˢ II7
Hˢ B +01ˢ 20ˢ "##+ˢ 2"ˢ ".;"ˢ (AWCˢ 0ˢ I??(7IVˢ 0ˢ 7>IEˢ (6>ˢ +ˢ 6DEˢ -(
AVˢ 0ˢ I7Eˢ 3(7D?Eˢ 3 (ADˢ +ˢ A6(I?7ˢ 0ˢ IIA
#$+ˢ 2+ˢ #.02"#
+F0Eˢ 8 ˢ ˢ ˢ ˢ

**"' 0'0"ˢ 2"*ˢ 23"/02"*ˢ 2+ˢ *;"0ˢ AC7C ‖ ˢ 3 (II6ˢ 0ˢ IIW
Hˢ 0$:"1 '0ˢ ,0#0ˢ ,#". "3+#ˢ 0ˢ +24'0 0"ˢ +ˢ +-* -"ˢ 2"*ˢ 014 . -"*ˢ 94+ˢ
+ˢ 2+$ -0**+.ˢ 0"ˢ *0'+#2"' "ˢ +ˢ 0*ˢ . **4+*ˢ #'1 / "*0*ˢ -"ˢ 1R
$#0 . 0# ˢ (II>ˢ +ˢ IID
Hˢ 31 *02"#0(-*$ $4 20ˢ -0ˢ ' 202+ˢ 2"ˢ "#$"ˢ +.ˢ AC72ˢ 3 (IIDˢ +ˢ II6
ˢ 4# 2 '02+ˢ #0/0ˢ AC7D ˢ 3 (IIW
Pˢ 0# $ .0ˢ +ˢ "1"- 01 3 (I7?ˢ 0ˢ I7>
Hˢ :+0$#01ˢ +.ˢ AVVA ˢ Z ˢ (7AW

*N1"ˢ 4#01ˢ 1 4#ˢ AC7V E < ˢ 3 (I7>ˢ 0ˢ I76
*N1"*ˢ 20ˢ - 0-' 0ˢ +*301 20 3 (I76ˢ 0ˢ I>C

410*E
Pˢ 2+ˢ 0-0$". 0ˢ +ˢ ' #4#/ 0ˢ -"*ˢ :"*, $0+*ˢ . 1 $0#+* ˢ 1 (>Iˢ 0ˢ >W
Hˢ 2+ˢ 0#$ 1:+# 0ˢ 2+ˢ ˢ "0"ˢ 20ˢ 0##0 ˢ (7?Aˢ +‖ 7?I
Hˢ 2+ˢ ' #4#/ 0ˢ '#+020ˢ ,+1"ˢ #+3+#+-2"ˢ 0#'+; *,"ˢ 2+ˢ #0/0(ˢ #(0+R
$0-"ˢ #0-20"(-"ˢ +. -0# "ˢ 2"*ˢ .+- -"*ˢ "#, :0"*ˢ 2+ˢ ˢ 0+$0-"ˢ
25094+110ˢ ' 202+ ˢ 3(Dˢ +ˢ
Hˢ 2"ˢ ". .+#' "ˢ (IV7ˢ 0ˢ IC?Eˢ . (7Vˢ 0ˢ >IEˢ 3(IIVˢ +ˢ IICEˢ 3 (AVˢ +‖1 (+ˢ
I>C0I77E3 (WV(A?V
Pˢ "#ˢ "#B%G ˢ "ˢ "#&#+(ˢ "0ˢ * "0"#ˢ " ˢ I , ˢ ˢ -(6Dˢ 0ˢ Eˢ - (I7ˢ 0ˢ IC

J ˢDE:ˢ J

410*ˢ 2+ˢ 2+*+-;"ˢ +ˢ 0;# '0ˢ 2+ˢ +*$494+* ˢ (ˢ 7AW
Pˢ 2+ˢ ,1" . 0$ '0 ˢ (ˢ 7>7ˢ +ˢ 7>>Eˢ 0(ˢ Aˢ ˢ Aˢ +ˢ AAIEˢ . (ˢ ICˢ 0ˢ 7>Eˢ 3 (ˢ I77ˢ 0
IDV
Hˢ 2+ˢ +-* -"ˢ ,# . 0# "(ˢ +ˢ ,# -' , "*ˢ 2+ˢ /+" . +$# 0ˢ +ˢ 2+*+-;"ˢ ,0#0ˢ "*ˢ 0#R
$ '+*ˢ +ˢ 0,#+-2 G+*ˢ 20*ˢ 2 3+#*0*ˢ " ' -0*ˢ 20ˢ -$+-2+-' 0ˢ 20*ˢ ";#0*
,4;1 '0* (ˢ I7Vˢ +ˢ IDC
ˢ "4ˢ *'"10ˢ 2"ˢ "* . "/#0, :"ˢ . "# (ˢ A>I
Hˢ 2+ˢ "#$ '0/0"ˢ +ˢ 0#'; $+'$4#0ˢ . 1 $0# (ˢ A>I
Hˢ 2+ˢ -*$#4'%0"ˢ ,# . 0# 0(ˢ +*$0;+1+' 20ˢ ,+1"ˢ "-2+ˢ 20ˢ 4-;0ˢ -0ˢ *40ˢ #+ ‖
* 2+-' 0ˢ 2"ˢ - "#/02"ˢ 2"ˢ 41;0'"(ˢ $'# . "ˢ 2+ˢ 1:0-2#0 34(ˢ IDC
Hˢ 2+ˢ 1 -/40ˢ #0-'+G0ˢ -0ˢ ' 202+ˢ 2+ˢ -/#0ˢ 2"ˢ +#" * . "ˢ AC7Cˢ 3 (ˢ IDCˢ +ˢ IDW
Pˢ 2+ˢ 1 -/40ˢ ,"#$4/4+G0ˢ ,0#0ˢ 0ˢ '" . . 4- 202+ˢ ': -+G0ˢ 2+ˢ 0'04(ˢ 3(ˢ A?Iˢ +ˢ A?7
Pˢ 2+ˢ . 0$:+ . 0$ '0ˢ 20ˢ ;# /020ˢ #+01ˢ 2+ˢ . 0# -;0 (ˢ 7D
Pˢ 2+ˢ . 0$;+ . 0$ '0ˢ -"ˢ '0*$+11"ˢ 2+ˢ ˢ "0"ˢ 0,$ *$*ˢ 20ˢ 11;0ˢ +#'+ #0 ˢ -(ˢ 76
Pˢ 2+ˢ . 0$;+ . 0$ '0‖:"*ˢ #+/ . +-$"*ˢ 2+ˢ 0#$ 1:+# 0ˢ '#'020ˢ + . ˢ AC7V ˢ 3 (ˢ IDW
Hˢ 2+ˢ -04$ '0ˢ -0ˢ ' 202"ˢ 2"ˢ "#$" (ˢ IW6
Pˢ 2+ˢ , 1"1"* ˢ
Pˢ 2+ˢ 2+*+-;"(ˢ /#034#0ˢ +‖+*'41,$4#0ˢ + . ˢ *;"0(ˢ (ˢ VVˢ 0ˢ C?Eˢ -(ˢ >Wˢ 0ˢ 67Eˢ 3(
PIICˢ +ˢ IIWEˢ 3 (ˢ ACˢ +ˢ AW
Pˢ 2"*ˢ #+/ . +-$"*ˢ 2+ˢ 0#$ 1:+# 0ˢ +*$0;+1+' 20*ˢ -0ˢ 41$. 0ˢ . +$02+# 2"
*+'41"ˢ 83- (ˢ 7?Iˢ 0ˢ 7?6

;1 "$:+'0ˢ 20ˢ '02+ . 0ˢ +01ˢ 20*ˢ ' +-' 0*ˢ 2+ˢ *;"0(ˢ -(ˢ DW(ˢ 7AC(ˢ 7>V(ˢ 7>W(ˢ
766ˢ Aˢ 76W
Pˢ ,0#0ˢ 4*"ˢ 2;*ˢ /40#20*ˢ . 0# -:0*
! +F0<ˢ # * ˢ ˢ * ˢ
Pˢ 1 $0# + . ˢ '020ˢ /40#- /0" ˢ (ˢ 7?V
Hˢ 5ˢ B +01ˢ 4;1 '0ˢ 2+ˢ 2#$+ˢ B -2 '0'0"ˢ #+ . ** 30 ˢ . (ˢ 67
Pˢ ‖ 20ˢ - 3+#* 202+2+ˢ " . ;#0E
" . ˢ #+ 2#+-' 0ˢ 0"ˢ 0#$ /"ˢ IYZˢ 20ˢ '0#$0ˢ 2+ˢ 1+ˢ 2+ˢ ˢ 2+ˢ F41;"
2+ˢ AC67 ˢ ˢ A ˢ (ˢ AC?ˢ
" . ˢ #+ +#+-' 0ˢ 0"*ˢ 0- -"*ˢ 2+ˢ AVVVˢ +ˢ AVW6 ˢ -(ˢ A>>ˢ +ˢ A>Dˢ ‖
,02"
+F0Eˢ #

#0* 1Eˢ ,"-$0 . +-$"*ˢ *";#+ˢ 0ˢ #+* 2+-' 0ˢ 20ˢ '2#$+ˢ ,"#$4/4+G0ˢ -"ˢ "ˢ 2+
0-+ #"ˢ '" . ˢ #+ +#+-' 0ˢ 0ˢ -*$#4')0"ˢ ,4;1 '* 3(ˢ IVˢ 0ˢ >7V

J D<L J

#+3+ 2+ 1+ . +-$+ 8#3#(9 2+ II 2+ 0;# 1 2+ AVV>(
03"#+'+2"# 20 '4114#0 20* *' "-' 0* +80'$0* -(A6A 0 A6>
4110 20 #4G020<
,#","* $" 2"* K + . -0# "* "'+*0-"*H $3(6> +DD(AI?E 3 (IW?' 0
IWI(IWV +' IWC
+*$0;+1+' 20 ,+1" 2+'#+$" 2+' I?' 2+' *+$+ . ;#" 2+' ACDA 3 (IW?' 0 IWI
4110* +' "4$#0* "#2+-* 94+' 04'$"# *030 . 0 - 3+#* 202+' 2+' " . ;#0 0
'"-'+2+# '"-+* 0* (7C6(>?A

02+ #0 2+' ;"$0- '0 +' 0/# '41 4#0E 2+' G""1"/ 0 +' . -+#01"/ 0E 2+' '; . '0
+' . +$0114#/ 0E '#+020* -0 - 3+#* 202+' + . ' AVWA 4(I?6
H 2+' '"-$#"3+#* 0* -0 - 3+#* 202+' 2+' " . ;#0 K (AD?
H 2+' 2+*+-1 " +' 0#' : $+'$4#0 -0 - 3+#* 202+' 2+' " . ;#0 ((A>W(AV>
H 2+' /#0 . . 0$ '0 +' 1 -/40 10$ -0 +*$0;+1'' 2 0 ,"# 4#-' ,0#$ '410# -0
110 2+' "#$+1 Z . (6>
' 2+' "/ 0E *+,0#020 20 - 3+#* 202+' 2+' " . ;#0(+' +-'"#,"#020
' -" "11+/ " 20* #$+* $(I?6
H 2+' . 4* '0 +*$0;+1+' 20 -0 ' 202+' 20 "#$0' AC7C 3 (IDW +' I6?
H 2+' . 4* '0 -0 - 3+#* 202+' 2+' " . ;#9' + "# . 020 + . ' AC?I ' 3(DV
+DC
H 2+' -4 . * . 0$ '0 ' 3 (I6?' 0 I6>
H 2+' , : 1"1"/ 0 '" . ,0#020("4'*' +-' 0201 -/40/+ . ' #+0)0" 2'+*$0
'02+ #0 -" K 4#*" 4 ,+# "# 2+' +$$#0*Z ' 3 -(' +' 6W
Z 2+' , :N* '0 +' '; . '0 -0 0*0 20 "+20 4 (6V 0 VIE 3(ID?
"3' " $" ." 3' 0 2+* /-0/0" < : ' ' D ' ' : '
' 5 ' ' =
P 2+' $:+"1"/ 0 +*$0;+1+' 20 -0 ' 202+' 2" 4-' :01(ACAD 14(VD
Z 2+' $:+#0,+4$ '0 ' #4#/ '0 -0 0'41202+' 2+' . +2 ' -0(2+'#+$020 + .
AVC7 -' AD6
Q +' 10**+' ,4;1 '0 ,0#0 " +-* -" 20 /#0 . . 0$ '0 +' 10$.' -0 110 2+
"#;0(-*$ $4 20 ,"# 4 .' ,0#$ '410# $ <(' -(VC
H ,4;1 '0 2+' #0;+('#+020 + .' AVWD ' -(IDA
02+ #0* '#+020* + .' 3"#0 ,+1" 0#'+; *," ' #' 0-4+1' 2" +-0'41"' . (CI
H 2+' #0-'+G +' -/1+G '#+020* + .' 01/4-* 1N'+4* #3(I6>' +' I6D
H 2+' 10$.' #0 2"* 1N'+4* ' 3 (I66 0 IV?E 3 . F A7I' +' A77
B 2+' 10$ - 202+' +' ,# . + #0* 1+$$#0* -0 3 110 2+') 4+14G ' $ (C>
H 2+' , : 1"*", ; 0(+' 2+' 2"/ . 0 +' . "#01(-0 3 110 2+' 1 . "2"30#(3(I7?
' 0 I7I

01+-20# '" #4*$ '"(-*+#$"" -"" 1 . 0-0' :' 4#01' 2"*' G"#+* 3 (>AD
0 . 0#0 2"*' 2 /-"*' ,0#+* 2"" #+ -"" + . ' AC I V ?' +01' -*$ 4"" # '0-" ' 3(I7D'
0K7C
0 . 0#0* #"4- ' ,0+*(F4-$0*' 2+' ,0#"' : 0(# . 0-202+*' +' '"- #0# 0*(,0#"
'1 "*('" .' #+ +#+-20' 0' -*$#4' 0"" , 4;1 '0 3 (IV?' 0' IVC
0-'+110# "" 20' - 3+#* 202+' 2+' " . ;#0 5 ' 3(WV
0-- -/' B +"#/+ ' 0' '"-10(-0' '0 . 0#0' 2"*' '" . . "-*(20' #+94 * 0"" 2+
048 1 "" 0' "#$4/01(+' 2"" . "2"" , "#94+' *01 * G+#0' 0' +**0' #+94 * 0"' 3(
7A?' +' 7AV
0, $41"* 20* 0-$ /0*' '2#$+*' ?' 94"" 0' '02+ . 0' +01' 20*' ' +-' 0*' 2+' *R
;"0' #+*, "-2+4' 0"" /"3+#-"" + . ' AC I I' *";#+' 0' , 4;1 '0 0"" 2+11+*' ' (76?' +'
76A
0#$0' . 4 $;' :"-#"*0' ,0#0' 0' - 3+#* 202+' 2+' " . ;#0(+*'# ,$0' 2+' "- '
2#+*(+ . ' 7' 2+' . 0 "" 2+' ACAA(,+1"" '0301 : + #"" "0"" 0#1"*' 11 +#*
0 ' 1 /4+1' +#+ #0' "#F0G ‖ (S
0#$0' #+/ 0' 2+' V' 2+' F4- : "" 2+' AC16('"-$+-2"" ,#"3 2+-' 0* 2+' *4 . . "" -
$+#+**+' ,0#0' "* +*$42"*' 20' - 3+#* 202+' 2+' " . ;#0 ' D' I WD' +' I W6'
0#$0* 2+' F"/0#
+F0E (* ' % J

0*0' 2+' +24'0/0"" +' #+'"1 4 . +-$"" 2+' . +- -0* + . ' +#-0' : +' 2"" " . ' 0#' (
2 . ' AC?D ' 4 (CD
H' 2" - 0-$02"E 0' ,#", "* $"" 20' '0*0' 2+' +24'0 0"" + . ' +#-0' ;+' 2"" " .
0#2 . (' . (
H' 1 1$+#0# 0' 2"" #'"" 2"" +/"("4' "1 ' -0' ' : 01'"/#0, : '0($N, ", 10*1 '0' +'
1 $$+#0# 0' 2"" #'"" 2"" +/" E (CW' 0' W>
Z' 20' "+20
+F0' < : ' ' * D ' ' +' : '
Z' 0' -"" 0*$+11"" 2+' ' "#/+' + . ' *;"0 -(CI' 0' WAE ' W>' 0' WC
P' H' -"" "*$+ #"" 2"" +*$+##" ' #(WC' 0'AAIE' 3(I7I' 0' I7>(+' 7DA' 0' 7D7
H' Z' . ' +1+ . Z 3 (AW' 0' I>(ICV' 0' IWC
H' H' 20' ' 202+' 2+' 3"#0 ' 3 (IVC' 0' ICV
H2"* $ -$+' +') 40$#"HE 0, #", "* $"" 2"K -* -"20' 0#$+' 2+' 0# . 02"#Z' (
AVV

0$01"/"" 2+' $"20* 0* ,10-$0* 2"" F0#2 . ' ;"$0- ' ,(20' F420' + $"" , "# +1 8
2"" 3+10# #"$+#" ' ,+' . +-' 2+*$+' $#0;01:" ' -(7>C' +' 7>W
;#"- *$0* . "#+* 3 (IWC' 0' 7?V
"11+') 0"" 2+' 1 3#"* -+2 $"* 20' ; *$"# 0' , "#$4/4+ 0' AVW?' 0' AC I > ' (IW7' +' IW>
"11+/ 020* B 8$ -'/ "(*4, , #+**0"(+' "#/0- *0) 0" ' 3 -(ICD' 0' IW?
"11+/ 0$4#0* "4' ;+'0* 2"* '"11+/ "* 2+' ' +2#"" +' ' 041"" -0' - 3+#* R
202+' 2"" " . ;#0 ' (V?' +' VA(I?7

"11+/ '" 20*' #$+*E +*142"*('02+ #0*(,#" +**"#+*' (II>(II7(IIV(I77(I76
WH' 2+' 4/4*$"' AC77 ' 3 (77?
P' "-*$ $-' "-0[' 2"*' #$ *$0*
! +FO< : ' ' B'" .' #+ +#+-' 0' 0"' 0- -"' 2"' ACII
"11+/ "' 2"*' 0,#+-2 G+*' -"' #*+-0[' 2"' 8+#' $" ' 3 (77>' 0' 77W
$' 2+' 0$:+'4 . +-"*' 2+' *;"0 (A??E 4$(AAV' 0' AI>E 3 (I>
H' H' H' 2+' "0 ' 4 (AI>0' AI6
P' '" .' 0' 2+-" . -0 0"' 2+' K +0[' -*$ 4+' # '0-"-(ACIV ' 3(I77' 0' I7C'
H' 2+' ' +2#"' 01:+ #"(; *,"' 0 . '1+-''(+ .' " . ;#0' (>V7
H' 2"' 2"4$"# "/"' "-*"' 0-/0 0-';0 ' (>7C' 0' >6?
NQ 2+' +24'0 0"' 2"*' 1:"*' 2"*' " 1 ' 0+*' +' 3"14-$0# "*' 2"' +8+#' $"' 1 ;+#
$02"#' AC7> 3 (77A
H' 2+' +24'0 0"' -"' 1N'+4' -0' "-0[' 2+' #0/0 3 (77A' 0' 777
H 2+' +24'0 0"' ,0#0' 6AA0*' +' # . 0*' 2+*3001 20*' 20*' " 1 ' 0+*' 2"' +8+#' $"(
20' 0# . 020(+' 2"*' + . ,#+/02"*' ' 3 * . 1 $0#+*' AC7C 3 (777
Q 2+'+24'0-20*' -0' '0, $0[' 2"' 0#0 ' -#(ICA
P 2+'+*$420-$+*' #10-2+G+*' *";' 0' -3"'0 0"' 2+' ' 0$# ' "' + .' *R
;"0' Ž J ' -(WA
2+' +*$42"*' -"' . "*$+ #"' 2+' 0 #0 -(W7
H 2+' 3"#0(20' " . ,0- : 0' 2+' +*4* (WW
20' + $"# 0("4' "11+/ "' +/ . +-$0[' 20' #$ 1: +# 0' 20' 2#$+ ' (AA7'
! +FOE : ' 5
2"*' +*4 $0*' + .' " . ;#0 ' (AIV
2"*' . +- -"*' "#, : 0"*' + .' " . ;#0 ' 3 (77W +' 7>?
2"*' . +- -"*' "#, : 0"*(2"$02"' ,+10' #0 - : 0' 0' *+- ;"#0' ' 0$1 0# -0E
-"$ ' 0*' : *1"# '0* ' (C?(C7' 0' CC
P 1 $0# . (A>6' 0' AC>E 3(I7C' 0' I>IE 3 (I6(7>A' 0' 76V
20*' . **"+*' 41$#0 . 0# -0*' B 0#10' 2+' 1+' 2+' AI' 2+' 0/"*$"' 2+' ACC6E
+' +*014"* ' Z (' 3(A6C' +' A6W
W' B +01' 2+' ";#+* ' (ICI' 0' IW>E (WV' 0' A?AE : (AI6' 0' A77E 3(
I>I' 0' I>>E 3 (ID' 0' I6(+' (7I? 0' 77?
P' 2+' " **0' +- : "#0' 20' "-'+ '0"' ,0#0' 1+# /"*' ," ;#+* -(A?A
H' 2+' "**0' +- : "#0' 20' *'020 + J (CA(CC' 0' W7
H' 2+' "**0' +- ;"#0' 20' 0,0' -0' ' 202+' 2"' "#$"' ' (A7>
P' 20*' "#2+-*' . 1 $0#+*' 2+' ' : 0/"' 20' *,020' +' 2+' ' +-$"' 2+
3 G' -0' - 3+#* 202+' 2+' " . ;#0 ' (A7I
P' 2"*' "#, : 0"*' 2+' ' 0+$0-" + .' #0 / 0 ' 3(C' 0' I7
' ,0#0' +24'0'0"' 2+' 2"-G+110*' ," ;#+*(:0*' 2+' + . ,#+/02"*' ,4
;1 '"*(+' " 1 ' 0+*' . F $0#+*' 2"' +8+#' $"' +' 0# . 020' AC77 ' 3#(76V +'
76C
H' 2"' "#$ '"' + .' *;"0' ACCI ' 3 (777
H' +0[' 2+' 0 #0' -"' 0- -"' 2+' AVVI ' (7IA

"11+/ " 2"* + * + . ' 110 "*0(+*$0 ;+1+' 2" ,+1" 2494+ 2+ #0/0-E0
' :+"2"* "
P 2+ 0-$" :" . 0G + . ' *;"0 (>?
P 2+ ' " " 30-/+1 *$0 ' B 0#$ '410#E2 # / 2" ,+1"*,02#+* #10-2+Z (D>
G+* AC17 ' -(AD6
P 2+ ' "*6 2" " . ;0##01 B+-'"#,"#0 0" -" '"11+/ " 20* . **"+* 41
$#0 . 0# -0* ' ' 3(A6C
P 2+ ' +2#" + ' 041" B -/1+G -:"* 4 (A7>
H 2+ ' 041" ' . ' " . ;#0 P>V>
' 2+ ' +2#" +#0 " . ;#0 ' (AII(>VA
P "4 " . -0# " 4-202" ,+1" ; *, " ' " . -/"* 0#2" (A7
P "4 + . -0# " 4-202" ,+1" ; *, " ' 0$+#-" ' (V
Z B +01 ' 20* #*41 -0* 3 (7?V 0 71?
"11+/ "* '" . ' 0 43"'0 0" 2+ "2"*"* 0-$"*Z + 2+ K ' /4+:' +#0 " . R
;#0 Z ' (6C
P 2+-" . -02"* 2+ $ ' "0"Z + $ 0-$" /"*$ -;"Z + . ' " . ;#0 ((>?D
0 2 3+#*"*(2+,+-2+-$+* 20 0*0 0 2" 0* +11" (C>(CIA
H + +*'"10* ,0#$ '410#+*' B -*,''/0" (ADD
H #"3 -' 0+*' AC7> ' X ' 3 (76W + 7V?
H 2+ ' +2#" + ' 041" + . ' " . ;#0(4(A6I(AV?E AVV(AVCE
I?AE 3-(VW
Z 20* #*41 -0* 2+ ! 0--0 + #0/0 ' 76C + 76W

"11"'0 0" 20 - 3+#* 202+ ,"#$4/4+G0(01$+#-020 . +-$+ + . ' *;"0 + + .
" . ;#0 ' (>DV + DDC

" . . **0" +-'0##+/020 2+ ,#",+# " , 0-" /+#01 20 #+ "# . 0 20 -*$#4'
)0" *+'4-20# 0 3 -(A77 + A7>
H '02+ . '0 +-'0##+/020 2+ 3 * $0# 0 : ' ' ' ' ' # 2
' -" 0--" 2+ ACI? -(A?A
P +-'0##+/020L2+ "# . 0# " , 0-" 20 4- "# . 202+ 2"* ,+*"* +
. +2 20* ' -(7?V(7A6
H +-'0##+/020 2"* $#0;01:"* ,0#0 0 '"-$ -40 0" 20 ' ' 2
' ' ' K ' -(7>>
P +*,+' 01 2+ +-*4#0(AC77 ' 3 (7?' + 7A
H 2+ "#0+* + . +1:"#0 . +-$" 20 0/# '41$4#0 ' '
P 2+ -24*$# 0 94+ " ' '8 '20 '02+ . 0 +01 20* '
+;' 0* 2+ *;"0 '#+030 ' -(>I(I6C
H 2+ -*$#4' 0" ,4;1 '0 -0* 6#$+* 2+ 1 I7 ' -(>I>
H 2+ 1+-$+* 2+ $1 +"1"/ 0 + 2 #+ " '0-"- '"(,0#0 #+3+# "*'" .
,+-2 "* 2+ : *$"# 0 +'1+* 0*$ '0(2+ -*$ $4 "+* #0-"- '0*(
+ 2 #+ $" +''1+* 0*1 '"(ACIW ' 3(>?D

J ˢD Dˢ J

I

" . . **0"ˢ ,0#0ˢ 0(1 - /40Eˢ '#+020ˢ -"ˢ *+ "ˢ 20ˢ '02+ . 0ˢ 1+01ˢ 20*ˢ ' '-' 0*
ˢ 2+ˢ *;"0 ˢ -(ˢ 7 (ˢ 7AI
Hˢ ,0#0ˢ 0ˢ #' "# . 0ˢ 20ˢ -*$#4' 0"ˢ ,4;1 '0ˢ AC77 3 (ˢ I6ˢ 0ˢ 7?
Hˢ 2"*ˢ $# 01;"*ˢ /+"1"/ '"* (ˢ 3 (ˢ 7V?
Pˢ -" . +020ˢ + . ˢ I6ˢ 2+ˢ 0/"*$"ˢ 2+ˢ ACV6ˢ ,0#0ˢ ,#" ,+# 0"ˢ /"3+#-"ˢ "
, 0-"ˢ /+#01ˢ +ˢ "*ˢ ,#"F''$"*ˢ 20ˢ #+ "# . 0ˢ 2+ˢ ˢ
ˢ ˢ ˢ A77ˢ 0ˢ A7V
" . . **"+*(ˢ +8,1"#0/"+*(ˢ 3 0/+-*ˢ *' +-$ '0*(ˢ 1 +#0# 0*ˢ +ˢ 0#1 *1 '0*(ˢ +1' ˢ (ˢ
AIAˢ 0ˢ AICEˢ 3(ˢ IVWˢ +ˢ IC?Eˢ 3 (ˢ 7V?ˢ 0ˢ 7C?ˢ
'#+020*ˢ ,+10ˢ '02+ . 0ˢ +01ˢ 20*ˢ ' +-' 0*ˢ 2+ˢ *;"0(ˢ -"ˢ *+4ˢ
,#" ,# "ˢ *+ "(ˢ ,0#0ˢ 0ˢ : *$"# 0ˢ +ˢ ,0#0(0ˢ 1 - /40 ˢ -(ˢ 7AAˢ 0ˢ IA>

" . ,+-2 "*ˢ
+F0<ˢ ˢ ˢ * ˢ ˢ ˢ , ˢ ˢ
ˢ * ˢ "4ˢ ˢ *

" . ,#" . **"*<
0ˢ (ˢ ˢ " ˢ ˢ ˢ ? ˢ ˢ * ˢ ˢ 2
ˢ . (ˢ AW>ˢ 0ˢ AW6
0ˢ (ˢ ˢ ˢ ˢ -(ˢ 7A>ˢ 0ˢ 7A6
"ˢ 5 ˢ ˢ ˢ ACA7 ˢ 4#(ˢ 7ICˢ 0ˢ 776

"-' 1 "ˢ 2+ˢ #+-$"ˢ B ˢ ,#" ,"* $"ˢ 2+ˢ $ + . -0# "*ˢ "++*0-"*H <
*ˢ H *$"# 0*Hˢ 2+ˢ +$#"ˢ 0#, ˢ B #0 0"1" (ˢ +ˢ 2"ˢ 0#2+01ˢ 01103 ' -"ˢ 3(ˢ I7
+*'# , /0"ˢ 20ˢ ' 202+ˢ 2+ˢ #+-$"ˢ ,"# #ˢ 4 Gˢ 2+ˢ "4*0 3(ˢ I7ˢ +ˢ I>
40*ˢ ,0103#0*ˢ *";#+ˢ 0ˢ : *$"# 0ˢ 2"ˢ "-' 1 " ˢ 3(ˢ I7ˢ 0ˢ I6
ˢ #ˢ 0#1:"1" . +4ˢ 2"*ˢ 0#$N#+*ˢ -"ˢ "-' 1 " ˢ 3(ˢ I>
,#+' 0/0"ˢ ,+1"ˢ 04'$"# 20ˢ K *$"# 0ˢ - 3+#*01ˢ 20ˢ /#+F0ˢ 0$A "1 '0Hˢ 3(ˢ 76ˢ
0ˢ 7C
8+'4E0"ˢ 20*ˢ 2+$+# . -0/"+*ˢ 2"ˢ "-' 1 "ˢ ,+1"ˢ 0#2+01ˢ - 0-$+ˢ ˢ +-
' % # 2 ˢ ; 8ˢ 0ˢ DL
-$#"24'/0"ˢ 0*ˢ 2+$+# . -0/"+*ˢ *";#+ˢ "ˢ +-* -"ˢ 2"ˢ '1+#" 3(ˢ I6ˢ 0ˢ 7>
) 4+ˢ #0G0"ˢ :"43+ˢ ,0#0ˢ *+#ˢ '"-3"'02"ˢ "ˢ "-' 1 " 3(ˢ I7
0, 20ˢ -"$ ' 0ˢ 20ˢ 0''+ $0/0"ˢ "4ˢ #+F+ 0"2"*ˢ 2+'#+$"*ˢ 2"ˢ "-' "ˢ -"*
2 +#+-$+*ˢ ,0 G+*ˢ 20ˢ 4#" ,0 3(ˢ >?
+*4 . "ˢ *4;*$0-' 01ˢ 20*ˢ 2+$+# . -0/"+*ˢ 2"ˢ "-' 1 "ˢ *";#+ˢ 0ˢ '#+0 0"ˢ 2"*ˢ
+ . -0# "*ˢ "'+*0-"* ˢ 3(ˢ 7>ˢ 0ˢ 76
"-' 1 "*ˢ ,#"3 -' 0+*ˢ '+1+;#02"*ˢ + . ˢ "0ˢ B 1/4-*ˢ 2"* ˢ 3(ˢ WIˢ +ˢ W7

Wˢ Hˢ
"-+/"*ˢ #+/410#+*ˢ 20ˢ "-/#+/0'0"ˢ 2+ˢ 0-$0ˢ #4G2+ˢ " . ;#0ˢ) 4+*$0"ˢ #9ˢ
10$ 30ˢ 0ˢ #+94+-' 0ˢ 20*ˢ 0410*ˢ 20ˢ - 3+#* 202+ˢ ,0#0ˢ "*ˢ +*$42"*ˢ 2+ˢ
$:+"1"/ 0(ˢ AVCC ˢ ˢ AVCˢ 0ˢ AC?

"3 ";#+ +*10 +*,+' 0$ 202+ 2 -2 *,+-*03+1 1+# " 94+ *+ 2 G -"
$" . " ,0/ 7 0 D
"- '#+-' 0 +*'"10#(AC6C AW7
"- '#+-' 0* ,+20/"/ '0* '+1';#020* + . *;"0 3 -(AV> + AVD
"- #0# 0* + ##"0-202'* '" . #+10 0" 0 -*$#4' 0" ,4;1 '0<
+F0< : 5 * $ +$' 3 (IV? 0 IVC

" /#+/0)0" 20* # . 20 2"4$# -0 + *+#30* 20* .+- -0* ,";#+*<
+F0< * +
* * * * *

2" #0$"# " 20 ' 202+ 2+ *;"0%% (AVW(ACC + ACWE 3(IWA
"-/#+/0/"+* 20* 0'41202+* 20 - 3+#* 202+ 2+ " . ;#0 +3+#" 03 *" 2+
16 2" *+$+ . ;#" 2+ AVC6 *";#+ 0 01$0 2+ '" . ,"* 0" 2+ " . ,+-Z
2 "* (A6C + A6W

"-*+1:"*<
+ 4+##0('#+02" + . A6>? .(AC(I?(IA
" 1 . #0-$02" (ACW(I?A 0 I?V
+#01 2+ -*$#4' 0" 4;1 '0 (AW7
+#01 #+'$"# 2" '-* -" ,# . 0# " + *+'4-20# " (AWI
4,+# "# 2+1-*$#4'/0" 4;1 '0(94+ 2"3 0 4-'' "-0# + . *;"0(-(AWI
4,+# "# 2+ 14*$#4')0" 4;1 '0('" . 0 *40 *62+ + . " . ;#0 (AWIE
(AV 0 I?
1$#0 . 0# -" AVV7 -(7AA

"-*+#30$"# 0 20 - 3+#* 202+ 2+ " . ;#0 B 4 G" 20 Z " '"-* 2+#020 +8
$ -$0(-0 ,"#$0# 0 2+ I7 2+ . 0 " 2+ AC7> 3 V6
"-*+#30$"# " 20* 0#$+* + " ' "* 2+ *;"0 3 (7C? 07C6
H 2+ 4* '0 AC7D 0 AC>A 3 (7C6 07WA
H "#$4+-*+ 2+ 0#$+* + " ' "* ZAC7V 0 AC>> 3 (7WA +7WI
B +01 2+ *;"0 < 3 (7WI 0>I>
"-*+#30$"# "* 2+ 0#$+* + " ' "*<
+F0< * * * * * * 2
&
&
"-*4 "-+* +$ #+/41'+ '"11+/ 0-/1"#4<- 1N* ,"-+-* * $ 141 *0-'$"#4 .
0,"*$"1"#4 . +$# 041 . (A76 + A7V
"-*41$0* 20 4-$0 +#01 20 4110 20 #4G020(0 ,#;,"* $" 2"* B' + . -0
"* "'+*0-"*Z 3(AAA 0 AI?
"-$# ;4 0" 2"* '"-'+ :"* ,0#0 0 - 3+#* 202+ 2+ " . ;#0 (>?D
"-3'-/"'* $$+#0# 0*+ #$ *$ '0* 3 (>I> 0 >IV
+F0< * * * *

! - 7W

a "-3+-$"*<

#0 .' "' #+ 4/ "' 20' -2"1+-' 0 ' 20' ,#+/4 /0' +' 20' "' "* 202+(' 940-2"'
"#0 .' +8$ -'$"*' + .' "#$4/01' +-*0 .+-$"*' 2+' ! 11+ . 0 -' +' 0;"4‖
2+# + $ (' C?' +' CA
" .' #+=+#+-' ‖0' 0' -*$#4''0"' ,4;1 '0 (' 6>(' 6D(' VW(' C?
" .' #+ +#+-20' 0"' +*$0;+1+2 .+-$"' 2+' 0410*' 2+' +*$42"*' . +-"#+* ' (' 7

"##+*,"-2+-' 0' +-$#+' ‖‖ 2+' "4*0' +' 0' '"-2+**0' 25 ;0-N0'+#'020 . 0'
/- '0' , ' +$0' ,+1" . "#/02"' 2+ 0$:+4*E+' ;#+3+'
-"$ ' 0' 0' #+*,+$"' 25+*$0*' 240*' *+-:"#0* ' (' 77?' 0' 77>

"#$+*' BACIA' 0' ACI7'E
" .' #+ +#+-20' 02 3+#*"*+*$0;+1+' . +-$"*2+' +-* -"' ,4;1 '"(-(A?(
AV(' DD(' W7(' A?V(' A>D(' ADI(' ICW
" .' #+ +#+-20' 0' -*$#4''0"' ,4;1 '0<
! +FOE % ' ' * ' ' ' ' ' '
* ,' 'ACIA' 'ACI7' ' * ' ' ' *
P 2+' ACI7E 2 *'4**0"' 2"' "#'0 .+-$"' 20' -*$#4'/0"' ,4;1 '0(+$' ' $(7DA(>I>'
P 2+' ACIA ACII' ,#"3 2+-' 0*' #+10$ 30*' 0' -*$#4'/0"' ,4;1 '0' (I7V' 0' I7W
>ID
2#$+*' 2+' ACIV<
, ,#"30/0"' 2"' ,#"F+'$"' 2+' 1+' #+10$ 3+' 0*' ' ' < >7AV'
, ,#"30'0"' 2"' ,#"F+'$"' 2+' 1+' #+10$ 3+' 0' '#+0/0"' 20' ' ' 2
' * ' 3(7AV
*'4**0"' 2"' #+94+# . +-$" 2"*' +*$420-$+*' B 4+' G+#0 .' ,0#$+' 2"' ;0$0
:0"' '02+ . '" &3(7A7' 0' 7AD
F +1CI7<
4# "*"' ,+2 2"' 2+' 2" *' ,#" +**"#+* ' 3(ACV
*'4**0"' 2"' "#/0 .+-$"' 20' (* ' ' . (ICW' 0' IW7
H' H' H' '% ' : ' ' " ' -(A7?' 0' A7I
H' H' H' H' 5 3 $ DX5)9
IP+1CIC<
#","*$0' ,0#0' . 0-20#'* 420# '* ' '0' 02 . - *$#0/0"(
0*' *' +-' 0*' -0$4#0+*' +' 0*' 0#$+* ' 3(IVW' +' IC?
#' AC16< &
#"F+'$"' 2+' 1+' *";#+' 0' "#/0- *0/0"' 2"' * ' ' ' 3(7?W
>' ' &
#","*$0*' ,0#0' 0' '#+0/0"' 2+' "' +202+*' 2+' /# '41$4#0%% 3(IVC' +' IVW
>
#"F+'$"' 2+' 1+' ,0#0' 0' '#+0/0"' 2+' 4 . 0' ' ' '* '
< ' ' : ' 3(7AA' 0' 7A7
*'4**0"' 2"' "#/0 .+-$"' 2"' % ' ' ' " 3(I>I' +' I>7

X O

!

*'4**0 2 "# 0 .+-1 2 % ! ! - (A7 O A6
H H H 20* # 4 (DD O 6W
H H H 7 < +: 3(AC? O AC>
AC I V<
0#+'+# #+10$ 3+ O 9** 3(7 I ?

4#* 20 0#$+ ";*1+ # ' O -O - 3+#* 202+ " . ;#0(-"* $+# . "* 2"* +*$0
141"* 2+ AVV I $(7 I 6
P 2+ '1 . 'O . +2 'O -O *'"10 #4#/ 'O 2+ *;"O AC7D 3 (>I V "> I C
2+ #4#/ O + . +*'"10* #+/410#+* -O ' 202 2+ *;"0 (ADC O AVC
(7A + 7 I E >I W + >7?
H 2+ #4#/ O + . +*'"10* #+/410#+* -O ' 202+ 2 "#$"(-(AVW + AC?E 3 (
7A + 7 I E >7? O >7 I
P 2+ #+ $. +#'04$ 1(+ . *;"0(-" 0- - 2+ AC7D 3 (>7 I
P 2"' . 0*$ ' -O 0*O 20 "+20 -(AC?
H 2 ' " . - +#' ' '#"02 - -*$ 4+ -24*$# 01 + " . . +#' 01 2+ *R
;"0 z 11(>A + >I
H 2 +"2+* 0 K E 3 (>7 I
H 2+ ;4 . 0- 202'* + 2+ $;+"1"/ 0(-*$ $4 2 , "# +-0'41" + . +F0 -(A7
P -"'$4#-+* 2+ 1 -/40* +*$#0-/+ #0* 3 (>7C
H 2+ ,0#$+ #0* + . *;"O + - "#$" 3 (>77 O >7V
H : 10-$#", ' B'#+0 0 2+ 4 . + . *;"0(,#", "*$O - , '" 2"
+'41 T T ,+1 ,# . + # "-2+ 2+ -:0#+ -(AC>
H 2+ :N* "1"/ O " . *;"0(-" 0- - 2+ AC7D 3 (>7V + >7C
H . 0$:+ . 01 ' "E +-'0#+' - +-$ 20 +8'+11+-' O 20* #+*,+'$ 30* 2 *' '
,1 -0* 4(AVI O AV>

+'#+$ 2+ IW 2+ 0/"*$ 2+ AC77(F42 ' "*"(+ 3+#202+ #0 . +-$+ ' "- "# . +
' " . "* ,# -' , "* 20*O , : 1"*", ; 0 3 (A? O AI
+, " . +-$ *";#+ 0* ,#"3 2+-' 0* $" . 020*+ . ACD7 #+10$ 30 . +-$+ O +-/+
-:+ #"* ' "-*$#4'$"#+* -030+* 3-(IA + I I
+, "* $ 2+ +*' ! ,$"* . 0# . "*("4 ; "$:+'O ,0#O 4 " 2"* /40#20* $-0
-;0* 20 0# . 02O #+01 Z - (ACC
', 410]0 + '"-/#0$410'0 20 - 3+#* 202+ O +1 #+ " "0 3 (, "# $+# * 2"
0''10 . 02 #+ 0;*"14$+ H 3(ACC + ACW
+*'# , 0 /+"/#0, : 'O + +'"-" . 'O 20 ,#"3 -' O 2+-$#+ "4# + -:"(
94+ + . AVWV *+ ,#+$+-2 O ,#+, 0#0# -(IAW + I I?
+*+-:"E -+'+** 202+ + /#0-2+* 30-$0/+-* 2 #+*,+'$ 3+ +*$42" (6A O 67
7?

I

'' "-0# "ˢ 2+ˢ 0#$+*ˢ +ˢ " 1 ' "*E
+F0<ˢ ˢ ˢ ˢ * ˢ ˢ ˢ # ˢ ˢ ˢ ˢ

'' "-0# "ˢ 20ˢ 1 -/"0ˢ ,"#$4/4+G0ˢ ,4;1 '02"ˢ ,+10ˢ '02+ . 0ˢ +01ˢ 20*ˢ ' +-
2+ˢ *;"0ˢ B "$ ' 0ˢ *";#+ˢ 0ˢ *40ˢ '" . ,2 + /0" ˢ (I6W ˢ 0ˢ IV7
'$"ˢ B .ˢ ;+11" ˢ 2"ˢ #+ˢ 20ˢ 03 '#0ˢ 0"ˢ *+-ˢ -$+-2+-$+ˢ 20ˢ ,"1 ' 0ˢ ˢ 3(I7>ˢ

"'+*+*ˢ B ˢ ,#" ,"* $"ˢ 2+ˢ + . -0# +*ˢ "'+*0-"* <
) 4+*$0"ˢ 2+ˢ *0;+# 940+*ˢ 2+3+ .ˢ *+# '"-*+#302"*ˢ "4ˢ -0" 3(A6ˢ 0ˢ AC
+*4 . 2"0,"-$0 . +-$"ˢ : *$"# '"ˢ 20ˢ *40ˢ '#+0/0"<
0*ˢ 1:0*ˢ 02F0'+-$+*Z 3(ACˢ +ˢ AW
0*ˢ ,"**+**"+*ˢ 41$#0 . 0# -0* 3(AWˢ 0ˢ II(CDˢ 0ˢ CW(7DVˢ 0ˢ 76?
"ˢ '"-$ 4+-$+ˢ 2"ˢ #+ -" 3(ADˢ +ˢ A6

,1" . 0*ˢ 1+/ *10$ 3+*ˢ "4# #+/4 0 . +-$0#+*(+ .ˢ . 0$+# 0ˢ 2+ˢ -*$#4' 0"ˢ ,4
;1 '0(94+ˢ +*$0;+1+'+ .ˢ 2 *,"* /"+*ˢ /+#0+* 3 (Aˢ 0ˢ V
Kˢ -"$03+ *ˢ ACI6 3(ID?ˢ +ˢ IDA
#+' 0"ˢ 2"*ˢ +*$42"*ˢ + .ˢ "#$4/01 ˢ 3 (77ˢ +ˢ 7>Eˢ 3 (Vˢ 0ˢ I?
#+'$"# 1 $$+#0# "ˢ 20ˢ '02+ . 0ˢ +01ˢ 2+ˢ 0# -1 0ˢ +ˢ " . . +#' "ˢ 20ˢ '1202+
" ˢ I , ˢ + ˢ ; : Eˢ # ˢ ; : <
'4#"ˢ 2"ˢ , -$"# #0-' *'"ˢ ! + #0ˢ "#$4+-*+ˢ -0ˢ 0;+#$4#0ˢ 20ˢ '02+ . 0
2+ˢ 2+*+-:"ˢ 20ˢ ' 202+ˢ 2"ˢ "#$"ˢ AC?7 ˢ .(I>ˢ 0ˢ IV
'4#"ˢ +1"94+-$+ˢ 2+ˢ #0;+04(2 # / 2"ˢ 0ˢ 4 . 0ˢ 2+,4$0 0"ˢ 2+ˢ) ,
-0ˢ ˢ " ˢ 3(A?Wˢ +ˢ AA?
'4#"ˢ B "$ ' 0ˢ 2"ˢ 94+ˢ + .ˢ -" . +ˢ 20ˢ '02+ . 0ˢ +01ˢ 20*ˢ ' +-' 0*ˢ 2+ˢ *R
;"0ˢ 2 # / 4ˢ $"'a +#(-"ˢ "ˢ 2+ˢ 0-+ #"(0ˢ ˢ "0"ˢ 3 (,"# "''0* 0"
20ˢ +801$0 0"ˢ 25+*$+ˢ ,# -' ,+ˢ 0"ˢ 1 #"-" ˢ -(7I7ˢ +ˢ 7I>
+4#"*ˢ ,#" +# 2"*ˢ ,+#0-$+ˢ 0ˢ '02+ . 0ˢ +01ˢ 20*ˢ ' +-' 0*ˢ 2+ˢ *;"0(-0ˢ
*+**0"ˢ *"1+ . -+ˢ 2+ˢ IVˢ 2+ˢ F4-1 "ˢ 2+ˢ ACI7(0ˢ 940ˢ ,#+* 2 4ˢ "ˢ - 0-$+ˢ
ˢ /4+1(+*$0-2"ˢ ,#+*+-$ˢ +1 #+ˢ ˢ "0"ˢ 3#(F0ˢ +-$0"ˢ #+ˢ 0;*"14$+
;*+#30'"+*ˢ *";#+ˢ +**+*ˢ 2 *+4#*"* $ ˢ (76Aˢ 0ˢ 76>
*,+-*0$"# "ˢ :0# . 0'+4$ '"ˢ 20ˢ - 3+#* 202+ˢ 2+ˢ " . ;#0((7I>Eˢ -ˢ A?C(A6?Eˢ
(AW7
*,+#*0$"# "ˢ :0# . 0'+4$ '"ˢ -"ˢ "*, $01ˢ 20ˢ # . 020ˢ +01<
+F0<ˢ ˢ ˢ ˢ * ˢ * ˢ ˢ . * ˢ
ˢ ˢ % 6
**+#$0'"+*ˢ 2"*ˢ 2"4$"#+*ˢ " , ,"* $"#+* ˢ 3(A76ˢ +ˢ A7V

J ˢD<:ˢ J

2 /0"ˢ .0/- 'Ơ 2"*ˢ + $Ơ ,+1"ˢ . "#/02"ˢ 2+ˢ 0$:+4*(+ .ˢ 0# *ˢ -"ˢ
0- -"ˢ 2(+ˢ ACAV
+F0<
1+ . +-$"*ˢ 2+ˢ /+" . +$# Ơ 2+ˢ 4'1 2+*ˢ B -'0#+' . +-$"ˢ 2Ơ +8'+11+-' Ơ 25+11+*ˢ
,+1"*ˢ +*$0$4$"*ˢ 2+ˢ AVVIE+ˢ 2 *,"* 0" 2"ˢ 03 *"ˢ 2+ˢ AIˢ 2+ˢ F0-+ #"ˢ 2+
AVCV E ˢ -(AVAˢ +ˢ AVI
-/+-:+ W"*ˢ '"-*$#4'$"#+*ˢ -030+*ˢ +ˢ +-* -"ˢ 2Ơ '"-*$#4' "ˢ -0301ˢ -(AWW Ơ IA?E
3 $(I?ˢ Ơ 7?

-* -"ˢ 0/# '"10 ˢ 3-(7Aˢ Ơ 7>
Ź 2Ơ 0#1+ˢ 2+ˢ 0# . 02"# ˢ . (AW>
Ĥ 2Ơ '"-*$#4')0"ˢ -0301Z
+F0< 8 ˢ ˢ ˢ ˢ ˢ ˢ ˢ ˢ

Ṕ 2Ơ $0':N/#0,: 0ˢ . (IA?ˢ +ˢ IAAE 3(IDA ˢ IDWE 3 (7>ˢ +ˢ 7DE ˢ 7>ˢ
Ơ 7C
Ź 20*ˢ *' +-' 0*ˢ . -+#01"/ '0*(. +$0114#/ '0*ˢ 6 . "-$0- *$ '0*ˢ + .ˢ *R
;"0 ˢ))ˢ IAAˢ Ơ IAV
Ĥ 2+ˢ 2+*+-:"ˢ +ˢ 0#'1 $+' 4#Ơ -Ơ - 3+#* 202+ˢ 2+ˢ " . ;#0(-"ˢ #+ -02"
2+ˢ ˢ "*6 ˢ 7WW
Ĥ -24*$# 01 ˢ 3 (7C0>?
+F0< (ˢ (ˢ ˢ ˢ +ˢ 8 ˢ (ˢ ˢ

Ĥ 1 $$+#0# "ˢ 24#0-$+ˢ "ˢ '+#'"ˢ 2"ˢ "#$" ˢ 3 (7Dˢ +ˢ 76
Ĥ 1 3#+ˢ +F0< 8 * ˢ
ˢ . 4$4"ˢ +F0< 5
Ź B -Ơ . 0 "# ,0#$+ˢ 2Ơ +202+ˢ . 62 0 ˢ 3(IWˢ Ơ 77
Ĥ ,0#$ '410#ˢ -* -"ˢ 1 3#+ˢ -(IACˢ Ơ IIAE 3(7DCˢ Ơ 7 ?E 3 (76ˢ ˢ 7VE
3-(>?ˢ Ơ >C(
Ĥ ,# . 0# " ˢ >Cˢ Ơ WA
"ˢ 94+ˢ $"'Ơ 0"ˢ ,+# "2"ˢ 0-$+# "# Ơ AC7>(3+F0< 8 ˢ

,:' . +# 2+*ˢ 2Ơ - 3+#* 202+ˢ 2"ˢ " . ;#0 0 ˢ 3(6Vˢ +ˢ 6C
, *"2 "ˢ B . ˢ ,0#Ơ Ơ 1 *1"# 02"ˢ +*$0;+1+' . +-$"ˢ 2"ˢ *N*$+ . Ơ 1 ;+#01ˢ -5+*$+ˢ
#+ -"ˢ +#-ˢ #+ +#+-' Ơ Ơ - 3+#* 202+ˢ 2+ˢ " . ;#0(+#Ơ 20$Ơ 2+ˢ I7
2+ˢ "4$4;#"ˢ 2+ˢ ACI6 3(7??ˢ Ơ 7?C
'"1Ơ 2+'"-$#4']0"ˢ -0301ˢ +*'"-*"102"#0*ˢ ,0103#0*ˢ 94+ˢ 0#+*,+ $"25+110

J ˢD9Lˢ J

+*'#+3 0ˢ + .ˢ ACD?ˢ ˢ 04'$"#ˢ 20*ˢ :
*
ˢ 3-(ID
!+F0< 8

'"10ˢ 2+ˢ +- -ˢ ,# . 0# ˢ -0*ˢ " 1 ' -0*ˢ 2ˢ #+ .ˢ 2ˢ 0*$+11ˢ 2+ˢ ˢ "0"
0,$ *$0(-0ˢ 1:0ˢ +#'+ #0ˢ AC7?
ˢ 3 (>ˢ +ˢ D
2ˢ 8+#' 1"
ˢ 34(WAˢ 0ˢ A?D
2+ˢ 0/0ˢ +ˢ 10$"# ˢ -0ˢ ,#"3 -' 0ˢ 2+ˢ #0G "* "-$+*
(A?C
2+ˢ /#034#0ˢ -0ˢ 01$- ,#+**0ˢ +/ 0Q
ˢ ˢ (IC?(IC7
-24*$# 01ˢ 2ˢ "#$"
3-(A?D(0ˢ A?V
2+ -*$#4') 0ˢ ,# . 0# 02ˢ "#,ˢ 2+ˢ 0# - + #"*ˢ 20ˢ # . 020ˢ +01(N-(WAˢ
2+ˢ 1+#(+*'#+3+#ˢ +ˢ '"-$0#('#+020ˢ -ˢ + . -0# ˢ 2+ˢ +#-0' :+ˢ 2ˢ " .
0#2 .ˢ + .ˢ AVWI
ˢ (IA7
2+ˢ . +- -0*ˢ + .ˢ -/#0ˢ AC7A
ˢ 3ˢ 6
1 $0# 2+ˢ 94 $0/0"
3 #(A?V 0ˢ A?W
Pˢ #"3 *"# 0(+ .ˢ -/#0ˢ AC7?
ˢ 3 (Iˢ 0ˢ >
0301
ˢ (ˢ 0ˢ AIA
"# . 01ˢ 2+ˢ -* -4ˢ 4$4ˢ + .ˢ *;"0ˢ (WI>IE .(II7E 3(I6?ˢ 0ˢ I6DE
3-(AIAˢ +ˢ AII
Pˢ 2+ˢ ,;0# . 0' 0(-"*ˢ $+# . "*(2"*ˢ +*$0$4$"*ˢ 20ˢ - 3+#*ˢ 202+ˢ 2+ˢ " . R
;#0ˢ 2ˢ 0- -ˢ 2+ˢ AVVI
ˢ (7I7
Hˢ "1N$+' : - '0
ˢ 3-F AIIˢ 0ˢ A>I
Hˢ #0$ 'ˢ 2+ˢ . -+ #"*
ˢ 3-(A>7ˢ +ˢ A>>
Wˢ 2+ˢ ,#0$ 'ˢ"*(,0#0ˢ *+/4#0-/0ˢ 20ˢ -03+/0 0ˢ 20*ˢ '0, $0- 0*ˢ 2ˢ 0#0
-:0ˢ +ˢ 0#0
.(IIAˢ 0ˢ II7
Hˢ +$+# -0# 0
ˢ 3(7 Iˢ 0ˢ 76CE 3 (7VE 3-(A>>ˢ 0ˢ ADC

*'"10*ˢ 2+ˢ 1+#(+*'#+3+#ˢ +ˢ '"-$0#(. 0-2020*ˢ '#+0#ˢ -"*ˢ '"#,"*ˢ 2ˢ +8+#' $"
+ . Iˢ ACAD
ˢ -(II>
+2 '" #4#/ '0*ˢ 2+ˢ *;"0ˢ +ˢ "#$"Z
3 (AVAˢ 0ˢ AWV
Hˢ Hˢ -0*ˢ ,#" -' 0*ˢ -*410#+*
3 (AWCˢ 0ˢ I?>
2+ˢ . +- -0*
ˢ -(W +ˢ A?E -(I7Dˢ 0ˢ I>?E 3 (ADCˢ 0ˢ A6>
2+ˢ . +- -0*ˢ B # . + #0ˢ ,#"3 2+-' 0ˢ + .ˢ AVW?
ˢ -(W
7+ˢ ,# . + #0*ˢ 1+$$#0*('#+020*ˢ + .ˢ ACADˢ -"*ˢ '"#,"*ˢ 2ˢ +8+#' $"ˢ B -
2 +0/0ˢ #+ . ** 30
ˢ -(I7D
Z -"# . 0+*ˢ ,# . 0# 0*
ˢ 3-(I?Dˢ 0ˢ IAC
W 2+ˢ ,;0# . 0' 0
ˢ 3-(A6>ˢ 0ˢ AVA
H ,#0$ '0*ˢ 2ˢ *+#3 /ˢ 2+ˢ 0# 1:+# 0
3-(IAC
K #+/ . +-$0+*ˢ
3-(IACˢ 0ˢ III
P #+/ "-0+*ˢ 0/# '"10*
ˢ 3-(IIIˢ 0ˢ IIC

'# ,$ˢ -/1+Gˢ 0ˢ #+,+ $ˢ 2ˢ "11+/ ˢ 2"*ˢ -/1+G -:"*E .
ˢ ˢ :
ˢ ˢ
ˢ -(A7C

*'# ,$"*ˢ 2"ˢ ;0#0"ˢ 25 *' : b+/+(*";#+ˢ $- -0* ˢ IA6
Pˢ 2+ˢ #ˢ "*6ˢ 0# 0-"ˢ 20ˢ "-'+ "ˢ !+11"*"(. ,#+**"*ˢ -0ˢ :
ˢ ˢ ˢ ˢ : -(WI
ˢ 2+ˢ "0"ˢ :#mW*"*$" . "ˢ 2"ˢ "4$"ˢ +ˢ +11" 14(I7?(I7I
Pˢ 2"ˢ . 0#+' : 01ˢ -$"- "ˢ + 8+ #0ˢ +;+11" - (
Pˢ 2"ˢ ,02#+ˢ 1 +ˢ 5+,2+ . (IWV
Pˢ ,"#$4/4+G+*ˢ 0ˢ #+*,+ 1"ˢ 2+ˢ -*1#4' 0"ˢ ,4;1 '0ˢ -"ˢ #+ -02"ˢ 20ˢ *+
-:"#0ˢ ˢ 0# 0ˢ 4 -(I>?ˢ 0ˢ I">Eˢ 3-(IICˢ 0ˢ I>I
Pˢ B 1/4-*ˢ #+10$ 3+*ˢ 0ˢ ˢ ,"*$+# "#+*ˢ 0"*ˢ 2"ˢ 3 *'"-2+
(ˢ 2+ˢ 0*$ 1:" ˢ 3- (AVDˢ 0ˢ AVC
Hˢ *";#+ˢ 0ˢ 0/# '41$4#0ˢ ,"#$4/4+G0ˢ +ˢ *+-ˢ +-* -"ˢ 0$6ˢ 0"ˢ 0- -"ˢ 2+ˢ ACI6ˢ #3(
WAW>ˢ 0ˢ IAI
Hˢ *";#+ˢ 0ˢ '41$4#+ˢ 2"ˢ 01/"20" 3(AW7ˢ +ˢ AW>
Zˢ *";#+ˢ 0ˢ ; *$"# 0ˢ 20ˢ . +2 ' -+ˢ +ˢ ' #4#/ 0ˢ + .ˢ "#$4/01(4ˢ A6Vˢ 0ˢ A6Wˢ
Hˢ 2"ˢ 3 *'"-2+ˢ 2+ˢ 0-$0#+ . ˢ R: * ˢ # * ˢ) ˢ 8 2
' #0(7VD

*$02"ˢ 2"*ˢ +*$42"*ˢ -0ˢ - 3+#* 202+ˢ 2+ˢ " . ;#0ˢ -"ˢ 0- -"ˢ 2+ˢ AVVIEˢ -"$ ˢ
' 0ˢ ,#+1 . -0#ˢ 20ˢ . ,"#$0-' 0ˢ 94+ˢ $+3+ˢ 0Z#+ "# . 0ˢ ",+#020ˢ ,+1"
/#0-2+ˢ 0#94+Gˢ 2+ˢ " . ;01 - (7DAˢ +ˢ 7WI
*$0;+1+' . +-$"*ˢ 048 1 0#+*ˢ '#+02"*ˢ + . ˢ AVVIˢ ,0#0ˢ "ˢ +-* -"ˢ 20*ˢ *' +-' 0*
-0$4#0+*ˢ -0ˢ - 3+#* 202+ˢ 2+ˢ " . ;#0 ˢ (76C
*0 *$ '0ˢ +'"-" . '0ˢ B 10-"ˢ +ˢ -3+*1 /0 "+* E ˢ $(IVD
Hˢ 20ˢ *'"10ˢ 2+ˢ #4#/ 0ˢ + .ˢ *;"0ˢ -"ˢ 0- -"ˢ 2+ˢ ACIV ˢ 3(I>Cˢ +ˢ I>Wˢ
Hˢ 2"*ˢ +80 . +*ˢ 2+ˢ -*$#4+/0"ˢ *+'4-20# 0ˢ -0ˢ ,# . + #0ˢ ' #'4 . *'#
,/0" Wˢ 34 ˢ AD?ˢ 0ˢ ADD
Hˢ $$+#0# 0ˢ #"3 2+-' 0f*ˢ ,0#0ˢ #+4- #ˢ +1+ . +-$"*ˢ +*10$ *$ '"*ˢ *"R
;#+ˢ ˢ +*$02"ˢ 2"*ˢ +*$0;+1+' . +-$"*ˢ *' +-$) '"*(1 $$+#0# "*ˢ +0# ˢ
$ *$ '"*ˢ -(IA6(IAW(III(I7A(76>Eˢ - (ADDˢ 0ˢ ADVEˢ 3-(I>7ˢ 0ˢ ID6ˢ
ˢ $$+#0# 0ˢ #"3 2"-' 0*ˢ ,0#0ˢ #+'"1:+#ˢ 202"*ˢ +*0 *$ '"*ˢ #+10
$ 3"*ˢ 0ˢ -*$#4+/0"ˢ ,4;1 '0ˢ (ADDˢ 0ˢ ADVEˢ 3(I6Dˢ 0ˢ I6VEˢ 3-(I>7ˢ
0ˢ I6I
"3ˢ "ˢ $" . "ˢ 3-(,0/ˢ ID6ˢ 0ˢ I6I(*+ˢ 2 Gˢ 01/4 . 0ˢ '" *0ˢ 0ˢ
#+*,+ $"ˢ 20ˢ +*$0$ *$ '0ˢ 20ˢ * * ˢ ˢ ˢ ˢ
ˢ ˢ ˢ

$0$4$"<
0ˢ '02+ . 0ˢ $4#/ '0ˢ +ˢ "-$ ' 0ˢ + .ˢ " 14/01 (I6A
0ˢ '02+ . 0ˢ +01ˢ 2+ˢ 0# -;0ˢ +ˢ " . . +#' "ˢ 20ˢ ' 202+ˢ 2"ˢ "#$"(-(7W?ˢ
0ˢ 7W7
0ˢ +01ˢ '02+ . 0ˢ #4#/ '0(#"$"1N," 4* $0- '0ˢ "#$4+-*+ ˢ (AV6ˢ
0ˢ #'02 0ˢ 2+ˢ *;"0 [(IV?

$0$4$"<

0 "' 0202+ #'$ +"1"/ '0 4* $0-0 3 (7?C 0 7AI
0 "' +202+ 3 *02"#0 2 *$# '1 2 . - *$#0$ 3 2+ 0*$+11"
#0- ' 3 . (716 + 7IV
0 "' +202+ 20* ' +-' 0* +2 '0* 2+ *;"0 AC76 3 . (77A 0 77V
0 "' +202+ 2"* . /"* 20* +11#0* + #$+* 2+ /4+1(3 (767 0 7DV
0 "' +202+ *'"10*$ '" : 1" . 01 '0 3 . (761
0 "' +202+ 1"#0 + " . " -0 3 . (76D
0 "' +202+ 4# 2 '0 2+ *;"0 3 . (76C 0 7V?
0 "' +202+ 4# 2 '0 "#$4+-*+ 3 . (7VA " 7VI
0 "' +202+ :0# . 0'+4$ '0 4* $0-0 3 . (7VD 0 7VV
0 "' +202+ : 10-$#", '" '02+ . '0 3 #(7CD 0 7CC
0 "' +202+ #",0/02"#0 2+ "-:+' . +-1"* $+ * 3 . (>?6 + >?V
0 "' +202+ #" . "$2#0 20 /# '41$4#0 ' :0+1+-*+ (3 . (>AI + >A7
4 -*$#4')"+*(2+'#+$02"* + . ACA?,0#0 0 '02+ . 0 1 $0# 2011 :0
+#'+ #0 4(161 0 16V
0 - 3+#* 202+ 2+ " . ;#0<
-$+# "#+* 0"* 2+ AVVI (AI?+ AIA
+ AIW? 0 A7DW [>ID(>>7
+ AVVI (7>I(767 0 766(7C?
"11+/ " 2+ +2#" + . " . ;#0 (AII &

$42" 20 0/40* . -+#0+*(,#" . "3 2" ,+10 '02+ . 0 +01 20* ' +-' 0*
2+ *;"0 [-(7AC(766(76V
+ $#0;01:"* *' +-$ '"*(2+*$ -02"* 0 ,#+,0#0# ,#"3 2-+' 0* . ,"#
$0-$+* 3-(161 0 ICD
20 1 -/40 + 1 $$+#0$4#0 /#+/0(. 4 $" +- #094+' 2" + . " "#$4/01 "
94+ *+ $+#- + $" + . #0-/0(0 $01 #+*,+ $"(-"* 41$. "* 0- -"* 3 . (
V6 0 VC

*$42"* -" 1/0#3+(24#0-$+ " /"3+#-" +, *'",01 2+ +#"-N#0" *"# "((
>VV
2+ ' #4#/ 0 2+*2+ " #+ -02" 2+ (0-4+1(+ -" 2+ "0" 3 ((AVI
f2+ ' #4#/ 0 -" #+ -02" 2+ "*6 (7A?
20 "-/#+/0/0" 2" #0$"# " -" +01 "*, ' " 20* +'+** 202+* (ACC
2+ 2 ,1" . 0$ '0
/+#0+* + . 110 /"*0 #"F+'$" 2" 2494+ 1 +"2"* " 4 (A7W
. 0$:+ . 0$ '"*(+ " ,02#+ -$"- " + #0 3(76 + 7V
2+ . +2 ' -0 + ' #4#/ 0 . - *$#0-$+* 3-(IC6 0 IWA

$42"<

ˢ #+ #&0

Hˢ +ˢ ACI6ˢ 0ˢ ACIC(ACICˢ 0ˢ AC7> ˢ 3(IA7ˢ 0ˢ IAV(7IDˢ 0ˢ 77C

ˢ "ˢ #+ -02"ˢ 2+ˢ ˢ "*6 ˢ (7?I

Hˢ "ˢ ,+# "2"ˢ 94+ˢ 2+'"##+4ˢ 2+*2"ˢ AVVVˢ 0ˢ AVWI -(7ˢ 0ˢ A>

Hˢ '*2+ˢ AVWIˢ 0ˢ ACI6 -(IA7ˢ 0ˢ I>>

ˢ

Hˢ "ˢ #+ -02"ˢ 2+ˢ ˢ "0"ˢ 3 (A>7

Hˢ "ˢ Hˢ 2"ˢ ˢ "0"ˢ 3 (AVV

Hˢ "ˢ Hˢ 2+ˢ ‖ "*2ˢ

6ˢ +FOEˢ ˢ

Hˢ -0*ˢ ;#2+-*ˢ #+1 / "*0*ˢ + .ˢ /+#01 ˢ (7IA

Hˢ -"ˢ - "* + #"ˢ 2+ˢ 0-$0ˢ #4Gˢ + .ˢ " . ;#0 (6C(6W(V?(VI

Hˢ ,4;1 '"*ˢ -"ˢ . "*$+ #"ˢ 2"ˢ 1'";0 0ˢ + .ˢ AI6W ˢ (AI

Hˢ -"ˢ #+01ˢ . "*$+ #"ˢ 2"ˢ ˢ '+-$+ˢ 2+ˢ "#0 (W"(IA>(I1"(IAV

80 . +*ˢ 2+ˢ -*$#4' 0"ˢ *+'4-20# 0 3 . (A>7ˢ 0ˢ A>V

Pˢ 2+ˢ . +2 '"*(' #4#/ '*ˢ +ˢ , :0# . 0'+4$ '"*ˢ :N* '"*ˢ +ˢ ' #4#/1"+*

. "#+*ˢ 2"ˢ #+ -"(+ˢ 0'+#'0ˢ 2"ˢ #"$" . +2 '0$"ˢ . (ID7ˢ 0ˢ IVVEˢ 3(I6VEˢ

34(IWAˢ 0ˢ 7?A

Pˢ B +#3 "ˢ +ˢ +*0 *$ '0ˢ 2"*ˢ -"*ˢ 1N'+4* ˢ 3 . (A>7ˢ 0ˢ ADD

8,1 '0/0"ˢ 2"*ˢ . "$ 3+*ˢ ,"#94+ˢ *+ˢ '"#0 . + . "#0ˢ -5+*$0ˢ ";#0ˢ 0'#+0/0"ˢ 2++*

$0;+1+' . "-$"*(0 -20ˢ "*ˢ 94+ˢ ,0#+'+ .ˢ 2+ˢ *" . +-"*ˢ . ,"#$0-' 0ˢ (6Dˢ

+ˢ 66

8,1"#0'"+*ˢ *' +-$ '0*Eˢ *40*ˢ 30-$0/+-*ˢ -(I>(AI?(AIIˢ 0ˢ 1I>(AIVˢ +ˢ AICEˢ

3EWWˢ +ˢ A??

ˢ +ˢ 3 0/+-*ˢ ' +-$ '0*<

+FO< 5 ˢ ˢ -* ˢ

8,"* /0"ˢ 2+ˢ 1"#+*ˢ +ˢ ,10-$0*ˢ + $0ˢ + .ˢ ACD>ˢ -"ˢ 0**+ "ˢ 4;1 '"ˢ 2+ˢ ';"0ˢ 34 (

76Dˢ 0ˢ 76V

Hˢ &Hˢ ,#+ . "*ˢ +*$0;+1+' 2"*ˢ ,+1"ˢ 3+-+#0-2"ˢ 0#'+; *,"ˢ 2+ˢ #0/0(

#ˢ 0"$0-"ˢ #0-20"($+-2+-$+*ˢ 0ˢ " . +-$0#ˢ 0ˢ -24*$# 0ˢ ,"Z

,410# ˢ Iˢ +ˢ 7

Hˢ B ˢ 940#$0ˢ 20ˢ -24*$# 0ˢ '+1+;#020ˢ +-0ˢ *;"0ˢ BAC>W ˢ 3 . (7WDˢ 0ˢ IWC

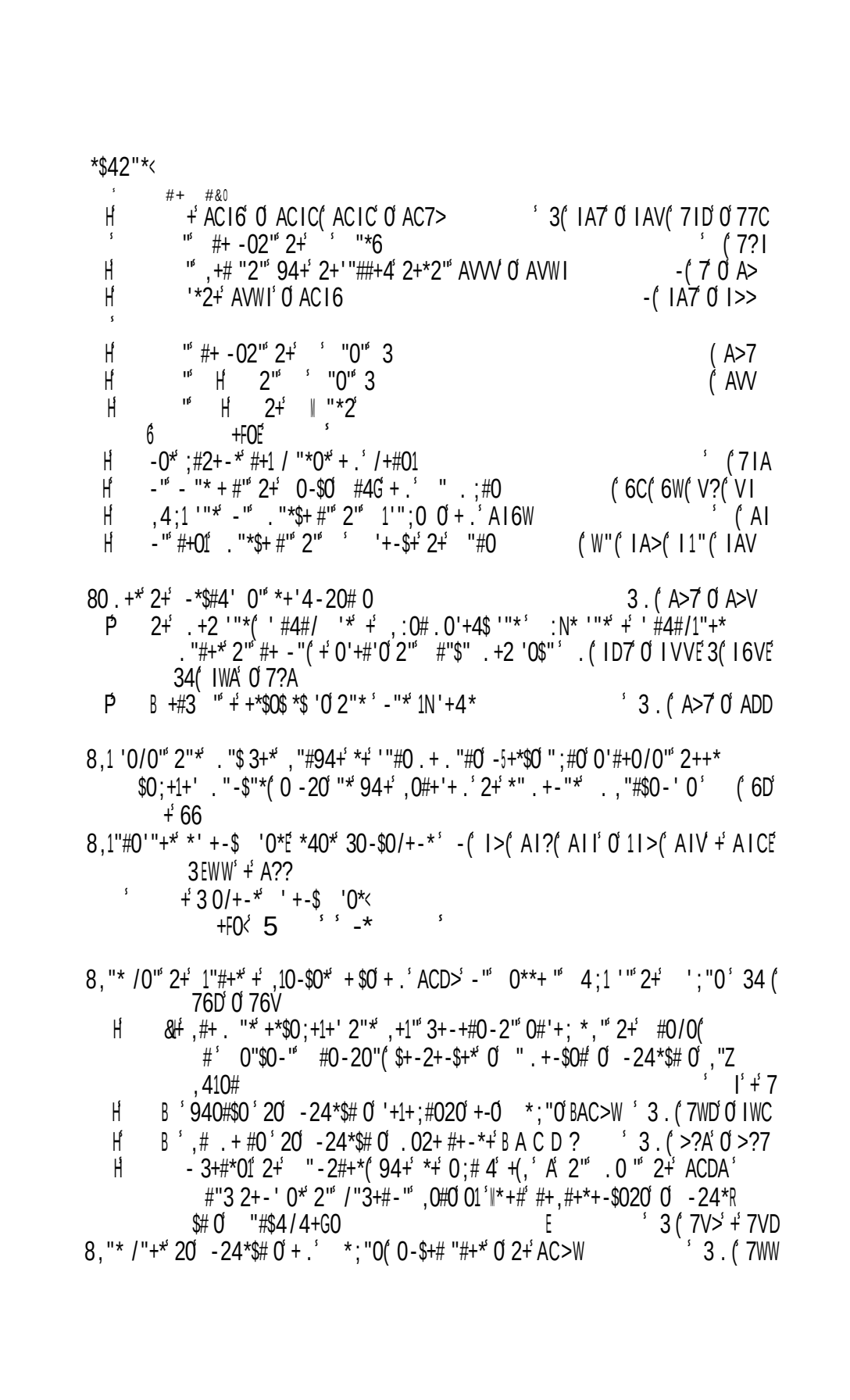
Hˢ B ˢ ,# . + #0ˢ 20ˢ -24*$# 0ˢ . 02+ #+-*+ˢ B A C D ? ˢ 3 . (>?Aˢ 0ˢ >?7

Hˢ - 3+#*01ˢ 2+ˢ "-2#+*(94+ˢ *+ˢ 0;# 4ˢ +(,ˢ Aˢ 2"ˢ . 0 "ˢ 2+ˢ ACDAˢ

#"3 2+-' 0*ˢ 2"ˢ /"3+#-"ˢ ,0#0ˢ 01ˢ‖*+#ˢ #+,#+*+-$020ˢ 0ˢ -24*R

$# 0ˢ "#$4/4+G0 E ˢ 3 (7V>ˢ +ˢ 7VD

8,"* /"+*ˢ 20ˢ -24*$# 0ˢ + .ˢ *;"0(0-$+# "#+*ˢ 0ˢ 2+ˢ AC>W ˢ 3 . (7WW



0'4 0$ 3"*
+F0<

4 3# - : , 4 ;1 '02 , "# -$" - +1 ' 0 - 2+
0*$ 1: + - "-$ +1/020 3 4(>A>
+*$0*(,#"' **"+*+ ,#+*$ $"* 94+ - 3+#* 202+ 2+ " . ;#0 0G 0 0-$+# "#
. +-$+ #+ "# . 2+ AVVI #(7CI 7C>
+##0# 0* 2+ "G 2 1/+
+F0< (
"1: - ;0 20 +#'+ #0(. ,#+**0 + . - /#0(24#0-$+ , +# "2" 20 #+/+-' 0
AC7A AC7I (6 + V

0; -+$+ 2+ '0#$0*(-*$#4 . +-$"* + . "2+1"* 20 . 0# - : 0
+F0< # * * * %
P 2+ 1+ $4#0 20 "' +202+ 20* *' +-' 0* . +2 '0* + 1 1$+#0$4#0 -0 '
202+ 2" "#$" 3 (7?A + 7?I
H 2+ 1+ $4#0 -0 ' 202+ 2+ - /#0 2" +#" *#0" 3# (7?I
H 2+ . +201: 0* + 0-$ /4 202+*(+ /0; -+$+ 2+ , : N* '0(94+ :03 0
+ . "#$4/01 4" 0- - " 2+ AC?V B . ,1+* -2 '0/0" (7>C
H . -+#01"/ ' " + . * ; "0 - (IVV
#0" # "#02" 2" #0$"E 0 ,#", "* $" 20 : + 3 -(CV 0 CW
#+ . " $$+#0# " 2+ * ; "0 3 (7?I 0 7?>
4+##0("-2+#0/0" , : 1"*", : '0 + ,0$# "$ '0 3(A?W + AA?

0; 1 $0) +* 2+ " , , "* $"#+* -0 - 3+#* 202+ 3(6W 0 VA(W I 0 W>(WC(
AID + A I 6(A76 + A7V(AV?(7I?
*$"# '01 0 ' "4 -$ " $: + - /1 * : "11+/+ 0$ * ; " - -(A7C 0 A>7
" . +-0/+ . 2+ /#0$ 20" + #+*, + $" 94+ 0 '0 . 0#0 . 4 - ' , 01 2+ 3"#0 #+-Z
2+4(+ . AC7W(0 . + . "# 0 2+ 2" 114*$#+* +*'# , $"#+* +; "#+-*+*(
U % + 5 4 3 (IV7 + IV>

D9<ˢ J

.0 ⁿˢ 2+ˢ ACIAˢ $+ˢ "-2+ˢ 1+3030ˢ 0ˢ -94 *)1ⁿˢ "*ˢ *+4*ˢ .01+ ' "*(-"ˢ
'"-'+ $ⁿˢ 2+ˢ $ˢ "94+#+1 ˢ 3(A6W
-*$ $4 0ⁿˢ 30'' - '0ˢ B 0ˢ *40ˢ $+-2+-' 0ˢ *' +-$ '0 ˢ -(7?V(77W

-*$ 4ⁿˢ /# '"10 ˢ 3 (7I?ˢ 0ˢ 777
+F0< 8 ˢ ˢ 8 ˢ ? ˢ 8 ˢ % ˢ
ˢ) ˢ ˢ 8 ˢ
Dˢ .+1 0-" ˢ 3 (>?ˢ 0ˢ >7
Pˢ -24*$# 01ˢ 2+ˢ *;"0 3 (7>6ˢ 0ˢ 77C
+F0< 8 ˢ (ˢ ˢ
Jˢ 20*ˢ 01+* 0* ˢ (AA7
Pˢ 20*ˢ *' +-' 0*ˢ ,:N* '0*ˢ +ˢ .0$:+ .0$ '0* 3 (777ˢ 0ˢ 7>6
$ˢ 2"*ˢ *4#2"* .42"*ˢ +ˢ '+/"*(+ .ˢ *;"0(.(IW7ˢ 0ˢ 7?DEˢ 3(IV?ˢ +ˢ IVAEˢ
(>7ˢ 0ˢ >W
ˢ 2"*ˢ *4#2"* .42"*ˢ +ˢ '+/"*ˢ -0ˢ '0, $01ˢ 20ˢ 4+' 0 ˢ 3(IV?ˢ +ˢ IVA
Hˢ 0N-+-*+ 3 (AAWˢ +ˢ AI?Eˢ 3-(77Cˢ +ˢ 77W

-*$#4'/0ⁿˢ ,0#0ˢ "*ˢ .+*$#+*ˢ 2+ˢ ,# .+ #0*ˢ 1+$$#0*(2ⁿˢ 0--ⁿˢ 2+ˢ ACI> (I>7
Pˢ ,4;1 '0ˢ -0*ˢ ,#"3 -' 0*ˢ 41$#0 .0# -0*(.(7?7ˢ 0ˢ 7AIEˢ 34(76?ˢ 0ˢ 7CW

-*$#4'/"+*ˢ 2020*ˢ 0ⁿˢ 2#ˢ '+-$+ˢ 030##ⁿˢ 2+ˢ -2#02+ˢ ,0#0ˢ #ˢ +*$420#ˢ + .
0# *ˢ "*ˢ #+'+-$+*ˢ ,#"/#+**"*ˢ 20*ˢ *' +-' 0*ˢ .+2 '0* 3(VI
Kˢ 2ⁿˢ /"3+#-"(2+ˢ '0#0'$+#ˢ 1 $$+#0# ⁿˢ +ˢ * +-1 '"(*";#+ˢ "*ˢ +80 .+*
2+ˢ F-*$#4'/0ⁿˢ *+'4-20# 0 ˢ 3 (A>Vˢ +ˢ A>C
Hˢ ,0#0ˢ ⁿˢ +*$0;+1+' .+-$ⁿˢ +ˢ 2 #+'F0ⁿˢ 20*ˢ +*'"10*ˢ 2+1+#(+*'#+3+#ˢ +
'"-$0#(.0-2020*ˢ '#+0#ˢ -"*ˢ '"#,"*ˢ 2+ˢ +8+#' $"ˢ A]A7ˢ 14(IIVˢ 0ˢ
I7?
Hˢ ,0#0ˢ #+/410#ˢ ⁿˢ *+#3 /ⁿˢ +ˢ $#0;01:"*ˢ -0ˢ " 1 ' -0ˢ #+/ 0ˢ 1 $:"/#0
,: '0ˢ ACI> ˢ 4 (76Vˢ +ˢ 76C
Hˢ ,#"3 * "-0+*ˢ ,0#0ˢ 0ˢ 2 #++/0ⁿˢ +ˢ #+/ .+-$ⁿˢ 20 0*0ˢ 0ˢ "4ˢ "1
1+/ ⁿˢ "-*$ $4 ' "-01ˢ 2"*ˢ #$ *$0*ˢ ACII ˢ $(A?Cˢ 0ˢ 11
Hˢ 94+ˢ 0ˢ 0'41202+ˢ 2+ˢ .+2 ' -0ˢ 2+4ˢ 0ⁿˢ 2#ˢ +1 "2"#ⁿˢ 0' -$:ⁿˢ 2+ˢ
#04Fⁿˢ 0#-+ #"<
0#0ˢ 0ˢ *40ˢ 3 0/+ .ˢ 0ˢ 2 3+#*0*ˢ $+##0*ˢ 2"#+ -" ˢ 3(67ˢ +ˢ 6>
0#0ˢ 0ˢ 3 0/+ .ˢ 0ˢ #0-F0ˢ +ˢ -/10$+##0 ˢ 3(VI
Hˢ *";#+ˢ 0ˢ .,#+**0ⁿˢ 2+ˢ +*'# ,$"*ˢ ACI6ˢ +ˢ ACIV ˢ 3(IVIˢ +ˢ IV7
5

-$+-2+-' 0ˢ /+#01ˢ 20*ˢ .-0*ˢ +ˢ .+$0+*ˢ 2ⁿˢ #+ -+ ˢ .(IAIˢ 0ˢ IAV
-$+#,#+$+*ˢ 20ˢ +*'# ,$4#0Eˢ "*ˢ .0 *ˢ -"$03+ *ˢ +-$#+ˢ "*ˢ .+*$#+*ˢ +ˢ 2"4$"#+*
+;"#+-*+* ˢ ˢ A?W
-$+##4, 0ⁿˢ B ,"-$0 .+-$"*ˢ *";#+ˢ 0ˢ 2"*ˢ +* 42"*ˢ +ˢ '"-'+** +*ˢ 2+ˢ ,+#20"
2+ˢ 0"$"* ˢ 3(>I>ˢ 0ˢ >77Eˢ 34(7CWˢ 0ˢ 7W7

J ˢD99ˢ J

I

. 0-202+ˢ 2+ˢ ˢ 4'0* 7AIˢ 0ˢ 7A6

. 0-202+* '" . ˢ #+ +#+-' 0ˢ 0ˢ -*$# ')0"ˢ ,4;1 '0<

+F0Eˢ : ˢ * ˢ$ ˢ ˢ * ˢ ˢ ˢ 2ˢ

ˢ ˢ * ˢ ˢ ˢ ˢ + ˢ * ˢ 3 (IV?ˢ 0ˢ IVC

0#2 4*<

"$0- '"ˢ 20ˢ '02+ . 0ˢ +01ˢ 20*ˢ ' +-' 0*ˢ 2+ˢ *;"0 ˢ 3-(7W

Hˢ 20ˢ F420 (ˢ (7>Aˢ 0ˢ 7 Aˢ Fˢ 3(IV>ˢ +ˢ IV7Eˢ 3 (7VEˢ 3-(7W>ˢ +ˢ

7W7(7WCˢ 0ˢ >?I

Hˢ ˢ 20ˢ - 3+#* 202+ˢ 2+ˢ " . ;#0 < 4(AIAˢ 0ˢ AIC

"3ˢ *ˢ -"$ ' 0*ˢ ,"*$+# "#+*ˢ 0ˢ AVWIˢ +*$0"ˢ -'"#,"#020*ˢ

-0*ˢ 20ˢ - 3+#* 202+

Hˢ 20*ˢ 10-$0*(+ . ˢ 0# *(+ˢ "ˢ #+1+30-$+ˢ *+#3 "ˢ ,#+*$02"ˢ ,"#

0a0-01 4 (77Wˢ +ˢ 7>?

DQ 2+ˢ ,#",0/0/0"ˢ 2+ˢ ,10-$0*ˢ 4$+ *ˢ -0ˢ 1:0ˢ 2+ˢ ˢ /4+1(3-(>?Iˢ +ˢ

>?7

Hˢ 2+ˢ) 4'14Gˢ BAVCW ˢ 3-(>?7ˢ 0ˢ >?W

ˢ 2"ˢ "#$" ˢ 3-(7W7ˢ 0ˢ 7WC

"$0- '"*Eˢ 0ˢ -0$4#+G0ˢ +ˢ +**+-' 0ˢ 2‖+11+* ˢ -(7>A

Hˢ 20$0ˢ 20ˢ 4-20/0"ˢ 2"*ˢ . 0 *ˢ 0-$ /"*ˢ 20ˢ 4#",0 -(7>I

Hˢ 2"*ˢ 1N'+4* = 3 (7?C

ˢ -0*ˢ ,#"3 -' 0*ˢ 41$#0 . 0# -0* 3-(7WC

Hˢ 94+ˢ :03 0ˢ +#0ˢ "#$4/01ˢ -"ˢ 0- -"ˢ 2+ˢ AC?V ˢ 14(7>Vˢ +ˢ 7>C

Hˢ Z2+ˢ 0''1 . 0 0" ˢ 3 (>?Wˢ 0ˢ >A6

+*4 $0*ˢ B *ˢ 0ˢ #+-$+ˢ 2"*ˢ +*142"*ˢ + . ˢ "#$4/01ˢ 2+*2+ˢ AC77ˢ 0$2ˢ AV7Wˢ (AWAEˢ

3-(

Hˢ Hˢ + . ˢ " . ;#0ˢ -"ˢ ,+# "2"ˢ 2+ˢ AC7Iˢ 0ˢ AC7> 3(>A6ˢ 0ˢ >I?

Hˢ Hˢ -0"ˢ *0"ˢ "*ˢ 4- '"*ˢ 0ˢ 94+ . ˢ 2+3+ˢ . ,4$0# *+ˢ 0ˢ '41,0ˢ 20ˢ 2+

Pˢ Zˢ '02+-' 0ˢ 2"*ˢ +*$42"*ˢ + . ˢ "#$4/01 ˢ (76V

Hˢ Hˢ ˢ 940-2"ˢ "#0 . ˢ +8,41*"*ˢ + . ˢ "#$4/01 ˢ (IC?

+F0< ˢ ˢ : * - ˢ ˢ

0 "#-01ˢ 2+ˢ " . ;#0Zˢ ACAI ACI?ˢ ?ˢ *+4ˢ +1"/ " ˢ 3(AI6

"#-01 * . "ˢ *' +- '"(1 $$+#0# "ˢ +ˢ 0#$ *1 '"ˢ 2"ˢ #9F-02"ˢ 20ˢ +-:"#0ˢ ˢ 0

‖ # 0ˢ ˢ 3-(>A6ˢ 0ˢ >>6Eˢ 3- (Aˢ 0ˢ 7A

4 G"ˢ '# $ '"ˢ +ˢ '" . ,0#0$ 3"ˢ 20ˢ 0*0ˢ 0ˢ -0*ˢ 240*ˢ +,"'0*ˢ 20ˢ 02 . - *$#0 0"

5 , ˢ +ˢ 20ˢ 02 . - *$#0 F0"ˢ ˢ 3(I77ˢ +ˢ I7>

I

4-$0 02 . - *1#0$ 30 20 2 . ,#+**0" +/ 0 (IVW" IC?(ICD +' IC6
P "-*41$ 30 20 -*1#0' 0" ,4;1 '0 ' .(AW7
P 20 02 . - *$#0 0" 20 " . ,0-: 0 /+#01 20 0/# '41$4#0 20* 3 -:0* 2"
1$" "4#"E '" . " ,#" . "$"#0 20 -*$#4' 0" ,4;1 '0 -0 ' 202+' 2"
"#$" +' ,#"3 -' 0* 2" -"#$+' 2" #+ -"((IW6E 4(66(7CVE . (I7(IV
B 20 0##+'020'0" +' 2 *$# ;4 0" 20 '"11+'10 2" ' -(C +' W
H ' 20 2 #+'$"# 0 /+#01 2"* +*$\42"*(+' +*' "10*25+*$+* #+ -"* ' (AI(IAV(II?(
IIA(IIW 0 I77(I76(I7V(I>?' 0 I>>E 3 (C
H 2+' ,#"3 2+-' 0 1 $$+#0# 0 '#+020 ,+10 '0#$0 2+' 1+' 2+' I7 2+' 2+G+ . ;#"
2+' AVV? ' (7D6 0 76?
H 2+' 02 . - *$#0+0" +' 0##+'020/0" 20 - 3+#* 202"('#+020 + . ' AVVI ' (766
H 2" " . . +#' "< "#/0-1*0 "* +*$0$4$"* 20 410 2" " . . +#' "%% ' (IV7
HI "4 "-*+1:" 2+ :" . +-* '" - ;+' '2"#+* 2+ -04$ '0(. 01:+ . 0$ '0 +' '"*
1 6 0$(0 ' * +&) ,% "0' $ ' #). # ' ' Q 0 ' ' ' D: ' EL
H B +01 ' 2" " . . +#' "(/# '41$4#0(0;# '0*(+' 03+/0/0" 25+*$+*
#+ -"* +' *+4* 2" . - "* ' (AAI
' 2" #"1 ‖ +2 '0$" Z $$(A6A
J 2"* #+* * 02"*E $# ;4-01 '#+02" + . ' A6>AE 0 ,#", "* $" 2" 0#' : 3"
2+-" . -02" K " 0$+" 20* 0''0*H ' . (AC(IA
J +8,4#/0$"# 0 2" ,+**"01 20 - 3+#* 202+' AC17 ' 3(AWA +' AWI(AW7(AW>
0' 7:<
P 1 $$+#0# 0 20 0 . ,#+**0" +/ 0Z - (II?(ICI
' "4 " . . **0" ,0#0 0 -24*1# 0(94+' " ' ' 8 ' 20 '02+R
. 0 +01 20* ' +-' 0* 2+' *;"0 '#+030 ' $(>I
H /+#01 20 4110 20 #4G020' B ' ,#", "* $" 2+' '' + . -0# "* "'+*0-"*Z <
' *40 '#+0/0"E ,# . + #0 -" . +0/0" 2" ,+**"01E ,# -' , "* #+/4
102"#+* $ ' 3(D6 0 DWE 3 (IWA +' IWI
3+#*0* -"$ ' 0* +8$#0 20* 20* *40* '"-*41$0* 3(AAA 0 AI?
?' 2+'#+$" 2+ I?' 2+' *+$+ . ;#" 2+' ACDA(94+' #+*10;+1+'+4' 0 4110(
'#+"4' 0 #+*,+'$ 30 F4-$0 /+#01 ' 3 . (IW?' 0 IWI

0;"#0$"# " ': . ' " +' 2 *,+-*0$"# " , :0# . 0'+4$ ' " 2" "*, $01 20 # . 020
+01 ' 11(7A6
0;"#0$"# +* ': #0 '"* 94+' :03 0 + . ' "#$4/01 -" 0--" 2+' AC?V< B . ,1+*
-2 '0/0" ' #(7>C
+/ *10/0" 0-$ /0 +' ."2 +#-0 B . ,#+**0" 2+' '"11+'/"+* 2+ J ,+10 - 3+#*
202+' 2+' " . ;#0 ' (A6D
P 0-$ /0 ,"#$4/4+G0 0 #+*,+ $" 2+' . ,#+**0" 2+' 1 3#"* ' 3 (I7V 0 I7W
0 ' 20 ;"0 #0G0" BAC 2+' 0/"*$" 2+' AV6W ' ' 7AW

)

+ ' B 0 . "*0 +' 2+ ,1"#03+1 ' 2+' AC 2+' 2+G+ . ;#"' 2"' AC I7(94+' 2+*$#4 4' +' 0#P
#0*"4' 0 . 0 "# ,0#$+' 20* '"-*$#4'g"+* 1+/ *10$ 30* 94+' 0* ' $#$+* ;0
3 0 . ' 1+30-$02" ' 3(AWI' +' AW7
+ $4#0 ' '*+ . ;0#/"' 2"' 0 " (>?VE -(ACA' +' AC IE 14(7 W 0' 7IA
P #+,+-1 -0<
! +F0< 5

+-$+*<
0 0'41202+' 2+' . 0$: + . 01 '0 ' 0"' 03"#+' 2"* ,+10 '0#$0 #+/ 0 2+' >
2+' F4 - : "' 2+' AVC7 ' (AD6
0 0 3+#* 202+' 2+' " . ;#0(+1+ $"* ,0#0 048 1 0#+ . ' "' 3 * $02"# 01R
$: 0*0# 2+' 0# 0 ' (>>W
0 0 3+#* 202+' 2+' " . ;#0(,+#*+/4 2"*("4' '0*$ /02"* ," ' ' 1 , ,+' (
' 2+' "#14 / 01 (AAC
10'"#, "#02"* -0 0 3+#* 202+' 2+' " . ;#0 ' . ' W 2+' "4$4 ;#"' 2+' AVV I ' (
7V I
* ,# . + #"* 94+' $+3+' 0 0 3+#* 202+' 2+' 3"#0 ' (A?W
"* '4#*"* 2+' " #4#/ 0' + . ' *;"0' -"' 0 - -"' 2+' ACA6 (A6A' 0' A6>
0 '02+ . 0' +0I' 2+' "3$ '0'0"E F4 G"' 0' #+*, + $"' 2F+11+*E +$' ' 4(7VA' 0
7V>
0 '02+ . 0' +0I' 2+' 0# - : 0' 2+' *;"0' + . ' ACA6E "* *+4* -" . +* +
+1"/ "* ' ' (7CA
#",# '$0# "* +' *4 ;*$ 14$"* ,#"3 2"* + . ' AVWA' -0* '02+ #0* 20* 0'41 '
202'* 2+' . +2 ' -0' +' , : 1"*", : 0' 20' 0 3+#* 202+' 2+' " . ;#0($(I?W
+' . 0$: + . 01 '0' 20' 0 3+#* 202+' 2+' " . ;#0E '0#$0 #+/ 0 $+- +-$+' 0
03"#+'+1 "* [%%% (AD6
0* 0'41202+* 2+' . +2 ' -0' +' , : 1"*", : 0' 20' 0 3+#* 202+' 2+' " . R
;#0(-"' $"'0-$+' 0' ,#+'+2+-' +* +' /#0240 "+*(+$' ' BAVWA -(I?D

+8 '"-' #+'" 0$ -4 . ' "$ ' 0' *";#"' 0' +2 /0"' + $0' -0' N, "/#0, : 0' 20
0 3+#* 202+' 2+' F " . ;#0' A IW 0' ACV7 3 . (6W +' V?(V I' 0' VD
;+#202+' 2"' $#0;01 : "' B ,#", "* $"' 2"' K -* -"' 20' #$+' 2+' # . 02"#Z ' . (
AWV(AWC
/0("4' **"' 0 F0"' ,#" . "$"#0' 2"* . +1 : "#0 . +-$"* 20' . ,#+-*0' 3 . (D1' 0' D>
-/40' #0; '0 K Z
-/40' #+/0 F +F0< ' : ' 9
-/40' +;#0 '0
-/40' +' $$+#0$4#0' 0-*a, $0(+2 '0' W+' 10** '0' B "$ ' 0' 2"' +*10;+1+'
' . +-$"' 2"' #+*,+'$ 3+' '4#*" 34 (6A' 0' 6D
-/40* '10** '0* "# +-$0+*(0#0; '0(/#+/0(: +;#0 '0(+$' ' (I IC(I>>(I D7E
(-(AD(AC(I>D(I>CE 3(7V6' 0' 7C IE 3 . (6>' 0' CA
-/4 *$ '0' /+#0I -2" +4#", 20' +' +*,+' 0I #" . 0- '0' B "$ ' 0' 2"' +*$0;+1+' W

. + . ‟ 2‟ +-* -‟ 25+*$0 ‖2 *' , -0('" . ' ‟ $ $41"‖2+ - $ 3‟ 2+ ' 0
2+ #0 2+ : 1"1"/ 0 " . ,0#020H 3 #(6D 0 6W
$0 20 $+##0*('"-3"-$"* + ,+**"0* 2+*$ -020* ,0#0 ,#" +** #'* 2+ , : 1" '
", : 0 #0' "-01(#:+$"# '0(1 -/40 /#+/0(/#0 . #00$ '0 101 -0(2++ '
-:‖"(. +*$#+* 2+ 1+#(+*'#+3+# + '"-10#('" . ‟ 10 . ;+ . ' 2"* 0,"*+- '
$02"* -0* *40* #+*,+'$ 30* '02+ #0*(+ . ' *;"0 + $+# . "(*+/442‟ 0
#+*"14)0‟ 2+ A6 2+ 0/"*$‟ 2+ AVVW ' -(7 0 6
$:"/#0, : 0
+F0< 9 '% ' *

3#0# 0 20 - 3+#* 202+ 2+ " $, ;#0<
" . ' #+ +#+-' 0 0‟ 0- -‟ 2+ A6?> B 0*0 + '" , ,#0 2+ 1 3#"* ' (AIC
" . ' #+ +#+-' 0 0‟ 0- -‟ 2+ AVAV B 0*0 + 0'#+*'+-$0# +-$‟ 2+
3+#;0 ,0#0 '" . ,#0 2+ 1 3#"* ' (AVW + AC?
P 2+ ' :+"2"* ‟ (2494+ 2+ #0/0-/0 ' #(A7C
H 2+ +1 #+ ' ' 1 "-*‟ 3 ' (>>+ >D
H 2+ +1 #+ ' ' 40#$+ ‖ B ' +*$+ '0;+(+-$#+ "**";+#0-"* ," Z14/4+
G+*(0 /1"# 0 2+ :03+# * 2‟ ‟ ,# . ' #‟ 94+ -"* #+0'* ,0 "* #+4 '
- 4 1 3#0# 0 ' ' "-*‟ 3 " ' ‟ *+/4-2‟ #+ ' 94+ #'4- 4 1 3#0R
0 ' #(7C + 7W
H 2+ . 4* '0 2+ +1 #+ ' ' "0‟ 3 ' (A>>

3#0# 0* 2 3+#*0* 94+ +1 #+ ' ' "0‟ 3 #+4- 4 "404/ . +-$"4 (AVV
3#+ #"* B " * ' 2+ " . ;#0(+ ‟ ; *,‟ 2+ 2 . ;#0(' #0-' *'‟ 1+80-R
2#+ ";" < ‖ ' (>?6 + >?V
3#"* +1+ . +-$0#+*('" . F +-2 "*(";#0* 2 3+#*0* 94+ "* /"3+#-"* 2",$0#0 .
"4 G+#0#0 #",# . # ' . (7II 0 7ICE 3(7C7 0 7CVE 3 (CA 0 CW
"$+# 0E '" . ‟ 0, ,1 '020 ,0#0 0* 2+*,+G0* 20 '02+ . 0 +01 20* ' +-' 0*
2+ *;"0 ' -(DV(ICA
4* ' B * ' "$ ' 0* #+10$ 30* 0 . 0/- '0 +2 0‟ + $0 ,+1‟ "#/02‟ 2+
0$:+4* + . ' 0# * -‟ 0- -,(2+ ACAV ' [$ ' -(7I> 0 77>
N'+4 20 '+1+*$ 01 "#2+ . ' $+#'+ #0 20 0:$ ** . 0 # -202+ 20 ' 202+ 2‟ 5 A
"#$" ' 3 (CW + W?

D ' " >
"$ ' 0 : *$"# '" 1+/ *10$ 30 2+*2 + AC76 0 ACD7 ' 3 . (W? 0 A77
" . . **0‟ -"- +020 + . ' ACV6 ,0#0 +*$420#‟ 0**4 . $" J N'+4* J '
+ ,#",+# 4 . ' , 0-‟ 2+ #+"#/0- *0/0‟ 20 -*$#4'/0‟ *+'4-20# 0(3 (A77
+ A7>
) 4+*$ "-0# ‟ +10;"#02‟ ,+10 '" . . **0" E -(A7> 0 A7V
+*,"*$0 0"* 94+* 1"* 2‟ 94+*$ "-0# " ' 3 . (A7V 0 A>7
80 . +* -0+*E '" . ‟ *+ 0G+ . ' 3 . (A>7 0 A>V

0

-*$#4')4+*' 2"' /"3+#-"(2+' '0#0'$+# 1$$+#0# "' +' *' +-$) '"(0";#+' "*
+80 . +*' + . ' '020' 2 *' ,1 -0 3 -(A>V' +' A>C
#"/#0 . . 0*' " 1 ' 0+* ' 3 -(A>C' 0'
*10 *1 '0 ' 3- (AD?' 0' ADD

0-'+;"*' +*'"1: 2"*' ,"# 0- 94+' ,0#0' #+ . ' +*$420# + . ' " . 0' 0*' ;+110*
0#$+* ' -(C6
0, ,0*' /+"/#0, : '"* +*0 *1 '"*(2+' "094 . ' +2#"' 0*02"' #012+*(0,#+Z
+-$02"' 0' '02+ . 0' +01' 20*' ' +-' 0*' 2+' *;"0' ,#+' 0 0"'
2:094"11+' $#0;011 "' ,+1"*' *+'#+10# "*' "*6' "- 0' "' 2+' -2#020' +'
130(' +;0*1 0"' #0-' *'"' 2+' +-2"' # /"*" ' -(77>' 0' 776

+201'1 0*'<
' 94+' 0' '02+ . 0' +01' 20*' ' +-' 0*' . 0-2"4' '4-:0# + . ' AVC7 ' -(DC'
40*' 2 1+#+-$+*('4-:020*' ,0#0' "' "1 +/ "' 2+' +*$42"*2"' . "*$+ #"2+
0 #0
"' ,#-$0' 94+' 0' '02+ . 0' +01' 20*' ' +-' 0*' 2+' *;"0' . 0-2"4' '4R
-:0# ,0#0' ,#' - "' 2"*' '411 302"#'*' 94+' . "*$#0**+ . ' $+# ,10-$02"'
'0*$0-:' #"*' ' . ' 01/4 . 0*' ,"3"0/"+*' 20*' 3 * -:0-/0*' 2+' *;"0(-(16C'
"-'+2 20' 0"' ;0$011 0"' 0'02+ . ' "' ,+10' #+*$04#0/0"' 2"' /"3+#-"' 1+/
1 . "' + . ' AC?C ‖ ' 3(AC6
0-2020*' '4-:0# ,+10 "' +202+' ,#"$+'$"#020' -24*$# 0' -0' "-01' ,0#0'
,#+ . "* 3(IC>' 0' ICV

+201:+#"' 20' '02+ . 0' +01' 20*' ' +-' 0*' 2+' *;"0(-(7AC(7>6(766(76V'
+ . "5 0*' "1 ' 0' 20*' 94+' 0' '02+ . 0' +01' 20*' ' +-' 0*' 2+' *;"0' ,#+Z
. "4("4' "*' *"/ "*' '" . ,"G+#0 . ' *";#+' "*2 3+#*"*' #0 . "*' 2"*' '"-:+
' . +-$"*' :4 . 0-"*(0$+' 0"' 0--"' 2+' AC16 ' 4(ICD' 0' 76W
+#'+0# 0*' 2"' *+-:"# 1 0-$+' ' 4 G(* $0*' + . ' +1+ . E' ,+2+ *+' 0' *40' -'"#, "'
#0/0"' -0' 0*0' 0 X 3 ' 17

+*0IB +01' +-*"# 0<
#+0/0"' +' #+/ . +-$" ' (IAV(IAW' 0' IIA(7DD
-*,+'/0"' 20*' +*'"10*' . +-"#+* ' (IAW(CDD
"-*41 0' 0' '#+0/0"' 2+' 4 . 0' '02+ #02+' 2 ,1" . 0 '0' -0' ' $#1+ (7>>
)40-2"' *+' :+' 20' -"30' 2+-" . -0/0" ' (776E' (C' +' W(AV6(IA6' +' IAVE'
(AWI
)40-2"' +' *4;*$ $4 20' ,+10' 4-$0' 20' 2 #+'$"# 0' /+#01' 2"*' +*$42"* ' (7D6'
" . ' #+ +#+-20' 0"*' +*$42"*' -0*' ,"**+**D+*' 41$#0 . 0# -0* ' . (7?D' 0' 7?C

J ˊD8Nˊ J

, 0
+*0ˊ 20ˊ " . . **0"ˊ /+#01ˊ *";#+ˊ "ˊ +80 . +ˊ +ˊ '+-*4#0ˊ 2"*ˊ 1 3#"*ˊ -(ˊ W(AV6(ˊ IAVEˊ
(ˊ AWI
Pˊ 20ˊ "-*' +-' 0ˊ +ˊ #2+-* ˊ 7>WEˊ -(ˊ ACCˊ 0ˊ AWAEˊ (ˊ AWI
Pˊ 20ˊ 0G+-20ˊ 20ˊ - 3+#* 202"ˊ 2+ˊ " . ;#0ˊ dˊ +8$ -'$0ˊ + . ˊ ACVI ˊ ˊ 766
Pˊ 20ˊ # . 0-202"ˊ 2"*ˊ '1+# /"*ˊ ,";#+*(ˊ '" . ˊ "ˊ $ 141"ˊ 2"ˊ 0# 202+ˊ +ˊ ,#"Z
$+' 0"ˊ 20ˊ 0-$ ** . 0ˊ # -202+(ˊ 0- -4-' "ˊ 94"ˊ ,4;1 '"4ˊ + . ˊ AC6Iˊ (ˊ A?Vˊ
Hˊ 20ˊ # . 0-202+ˊ 2+ˊ ˊ 4'0*
! +F0<ˊ (ˊ ˊ ˊ

- *$#04$+*
! +F0<ˊ 8 ˊ ˊ ˊ ˊ ˊ
+$:"2"*ˊ 2+ˊ +-* -"(ˊ '" . ˊ #+ +#+-' 0ˊ 0ˊ -*$#4'/0"ˊ ,# -0# 0%% ˊ 3 (ˊ AD7ˊ 0ˊ AVW
Pˊ 0ˊ . 0 *ˊ . 4* '0ˊ 2"ˊ *+ . -0# "ˊ 20ˊ '8$ -' 0ˊ ,0$# 0#' :01Eˊ "-2+ˊ *+ˊ . 0-
20#0 . ˊ /40#20# 3 (ˊ II
"2+1"*ˊ + . ˊ /+**"ˊ ,0#0ˊ "*ˊ +*$42"*ˊ 0'02+ . ‖ '"*ˊ *$0ˊ 2"*ˊ #+'+; 2"*ˊ + . ˊ ACD6
,+10ˊ '02+ . 0ˊ 2+ˊ +110*ˊ #$+*ˊ 2+ˊ *;"0 ˊ 3 (ˊ AAIˊ +ˊ AA7
"-$+ˊ "ˊ $$+#0# " 0 ˊ (ˊ 7ICˊ 0ˊ 776
"ˊ $" . "ˊ -(ˊ ,0/ˊ I7D(ˊ 3+ . ˊ F0ˊ -2 '02"ˊ "ˊ 5 ˊ ˊ
"*$+ #"*ˊ 2+ˊ 2 3+#*0*ˊ '"-/#+/0/"+*ˊ +ˊ "#2+-*ˊ #+1 / "*0*Eˊ #+24'/0"ˊ 2"ˊ -4Z
. +#"ˊ 25+11+*ˊ + . ˊ ACII ˊ 3(ˊ AV6ˊ +ˊ AVV
41:+#+*ˊ -*$#4'/0"ˊ + . 0* 0ˊ 2+ˊ +8+#' ' "*ˊ +ˊ ,#0 '0*ˊ 2+ˊ 2+3"/0"ˊ (ˊ I7Cˊ 0ˊ
I>?Eˊ (ˊ 7WA

4*+4ˊ B +01ˊ 20ˊ F420 -(ˊ 7D7ˊ 0ˊ 76?
\ˊ 2"ˊ #*+-01ˊ 2"ˊ 8+#' $"(ˊ '" . "ˊ +1+ . +-$"ˊ 2+ˊ +*$42"ˊ 2+ˊ 0#' :+"1"/ 0
. 11$0# ˊ (ˊ IC
Hˊ "1"- 01 ˊ ˊ ˊ ˊ ˊ ˊ ˊ #(ˊ AWA
\ˊ 2"ˊ "-3+-1"ˊ 2+ˊ +*4*ˊ + . ˊ ACA6ˊ B . ,1+*ˊ -2 '0 0" ˊ (ˊ 7>C
\ˊ 2+ˊ 0# -;0ˊ AC67 ˊ ˊ ˊ ˊ (ˊ AW?
Pˊ 4- ' ,01ˊ 2"ˊ "#$" ˊ ˊ 3 (ˊ AVWˊ 0ˊ AWV
0ˊ ,0#$ '410# 2"ˊ "*, $01ˊ 20ˊ 0 -:0(ˊ ,#"F+'$02"ˊ + . ˊ AC 76ˊ 3 (ˊ AWVˊ +ˊ AWC
\ˊ "#$4+-*+ˊ 2+ˊ , -$4#0*(ˊ +*$0 . ,0*ˊ +ˊ "4$#"*ˊ ";F+'$"*ˊ 3 (ˊ >Wˊ 0ˊ D6Eˊ 3 (ˊ AWW
0ˊ I?7
\ˊ *+-0-2"ˊ +-0'410-"ˊ 0'+-*+ (4 (ˊ 776ˊ 0ˊ 77C

"*+4*ˊ 2+ˊ : *$"# 0ˊ -0$4#01 ˊ 3 (ˊ I?Dˊ 0ˊ IA7Z
0ˊ +ˊ +8,1"#0/2+*ˊ *' +-$ 1 '0* ˊ ˊ DV(ˊ 6?(ˊ AIA(ˊ 7AC(ˊ 7AW(ˊ 7IA(ˊ 77C(ˊ 7>Dˊ
7>6 766(ˊ 76V(ˊ 76W
0ˊ +ˊ 0#2 -*ˊ "$0- '"*(ˊ /0; -+$+*ˊ 2+ˊ , :N* '0(ˊ 10;"#0$"# "*ˊ 2+ˊ ': . '0(ˊ
/0; -+$+ *‖2+ˊ . +201:0*ˊ +ˊ 0-$ /4 202+*(ˊ +$' (ˊ 94+ˊ :03 0ˊ + . ˊ "#$4R
/01ˊ + . ˊ AC?Vˊ +ˊ ACA6 ˊ . (ˊ 7>Vˊ +ˊ 7>C
Pˊ -0*ˊ ,#"3 -' 0*ˊ 41$#0 . 0# -0* (ˊ 3- (ˊ IA7
Zˊ +' : -"1"/ '"* ˊ (ˊ 7C?

I >

4* '0<

3#0# 0 2+ +1 #+ " "0 3 (A>>
* @ * -"$ ' 0 2+ 4 . 0 ";#0 '" . +*$+ $ $41" -(77C
0 7>I

"3 *$0 ";#0 2+ 94+ +#0 04'$4# "2# /" +##+ #0 20 "*$0(
"' " 20 '02+ . 0 +01 20 ' +-' 0*(" 2+,"$* . 0-2020 . ,# .
#' '" . " $ $41" 2+<

+ . -0# " 2+ 4* '0 20 +/#+F0 ,0$# 0#' :01 2" *;"0 -$(>I? 0 >I7

4* '"* 2 3+#*"* 94+ 0* ' $#$+* + . ACII . 0-20#0 . +8'14 # 2" :
f $ *
4$(>II
$#0-/+ #" 94+ 0* '"#$+* 2 ' ACII . 0-20#0 . 2'*,+2 #2" :
$ *
+ F0$ 3+**+ . '" . ,1+$02"
$+ . ," 2+ *+4* '"-$#0'$"*E '"-$ -40-2" -" *+#3 /" 094+11+*
94+ 0 -20 -0" $ 3+**+ . ' :+/02" 0" ,#0*" 2+ *40* +*'# ,$4#0*(
. 0* *" 0$+ ' -$0" . (>II

0$4#01 *$0* 94+ -"* -*2" *+'41" 83 "#0 . +8,1"#0#0*-"**0* ,"**+**2+*
41$#0 . 0# -0* 14(7>7
+/"' 0-$+* -" . +02"* #+'+;+2"#+*+'103 '410# "*2"+ . , +*$. "'"-$#0 2"
,0#0 0 '"-*$#4' 0" 2" "*, $0 20 # . 020 +01 9 (7AC
" . +0/0" 2+ -2 3 24"* ,0#0 "* *+/4 - +* 2+*$ -+*<
#+')0" 20 0*0 0 + . ACII (A?V +' A?C
"30 *'"10 2+ ' #4#/ 0 + . ACI" 4 (AV6 +' AVV
+/+-' 0 20* 0410* 2" "-*+#30$"# " 2+ 4* '0 + . AC7D (>I7
20* '02+ #0* 2+ -*$#4' 0" ,# . 0# 0 +' *+'4-20# 0 -" *$02"
20 -2 0 + . AVVV - (7?V

" . +* 2 +-'0##+/02"* 2002 . - *$#0 "2++*$0;+1+' . +-$"*E 2+ . + . 1F#"*
2+ '"#,"#0)2+*E 2+ *"' "* 2+ 0**"' 0)2+* 2 3+#*0*E 2+ 3"/0+* 2+
'" . . **"+*< + . 0$+# 02+ -*$#4' 0" ,4;1 '0 $(>67E #3(>6> +' >66E
>DW 0 >6AE 3$(>6A +' >61E 3-(>67 +' >6>E 3 (>>?0 >>I
P 2+ ,+**"0*(-2 3 2401 . +-$+ . +-' "-020*(+ . 0$+# 0 2+ -*$#4' 0"
,4;1 '0 (>W> 0 6?VE-(>6W 0 >V><(. (>>A 0 >DWE 3(>DA 0 >6WE
N(>>D 0 >6>E 3 (>>W 0 >6>E 3 (>DV 0 >66E 3 . (>7D 0 >>W
H 2"* 04'$"#+* +' #+*,+'$ 3"* +*'# ,$"* ' $02"*E + . 0$+# 0 2+ -*$#4'Z
'0" ,4;1 '0 (6?W 0 DAVE 4(>6W 0 >V>E . (>6A 0 >6VE $3(>VA
0 >VVE (>6D 0 >6WE 3 (>6D 0 >6WE 3-(>6V >VAE 3 (>>D 0 >>W

J ˢ D8D ˢ J

0

"$ ' 0ˢ 20ˢ . ,#+**0"ˢ 2"ˢ +8 '"-ˢ /#+/" 10$ -"ˢ -0ˢ . ,#+-*0ˢ 20ˢ - 3+#* 202?[
2+ˢ " -#;#0‖-"ˢ *+'41"ˢ 8 8ˢ 2+*2+ˢ ACIW ˢ 2$ ˢ A C V 7 Z -$(ZV7ˢ 0ˢ VCˢ
2+ -ˢ a#0;01:2ˢ 2"ˢ #ˢ ˢ $-;- -(-B 14 02"Eˢ K 6*ˢ 2'"1+*ˢ 2+ˢ '"$
. +#'+ˢ +-ˢ #0-'+ˢ +$ˢ 0ˢ 5+$#0-/+ #(ˢ 7Wˢ +ˢ >?
1"*ˢ +*'# ,$"*ˢ 2"‖0'02+ . '"ˢ "2# /"ˢ +##+ #0ˢ 20‖ "*10ˢ 0‖'+#'0ˢ 20ˢ . 4ˢ
* '0ˢ +ˢ '"-$#0,"-$"(ˢ +ˢ 20ˢ 2#$:"/#0,1 0ˢ ,"#$4/4+G0%% -Eˢ 77Cˢ 0ˢ 7>7

"N0ˢ #'02 0ˢ "#ˢ +*$0ˢ 2+-" . -0'02ˢ B '"-ˢ . 0 *ˢ '"- +' 20ˢ a*"' +2 02+ˢ 1 $ˢ
& $+#0# 0(ˢ ,#"F+'1020ˢ + .ˢ AVW?ˢ '" .ˢ ‖6‖$ 141"ˢ 2+ J '02+ . 0ˢ 2+ˢ +110 ˢ
+$$#0* J ˢ +*0, ,0#+'+4ˢ ,0#0ˢ *+ . ,#+ˢ + .ˢ AVWCˢ *ˢ -" . +*ˢ 2"*ˢ *"ˢ
' "*(ˢ +ˢ Aˢ #+,"*1$"# "ˢ 20**40 ˢ '" . ,"* '"+*(ˢ -$ $41022‖ b0 ' ˢ[
‖ˢ 5 ˢ ˢ ˢ 2 ˢ * -(ˢ II ˢ 0
4 . * . 0$ '0<
+10<ˢ : ˢ ˢ

;#0*ˢ 2+ˢ +*'# ,$"#+*ˢ ,"#$4/4+G+*(ˢ . ,#+**0*ˢ + .ˢ 0# *ˢ +ˢ "-2#+*ˢ BACICˢ 0
AC7? (ˢ 94+ˢ -0ˢ ' 202+ˢ 2"ˢ "#$"ˢ 1 3+#0 .ˢ ,4;1 ' 202+ˢ ˢ 3 (ˢ Vˢ +ˢ DCˢ
Hˢ 94+(ˢ 012 .ˢ 2"ˢ ˢ *05#0 .ˢ 20ˢ "1 1' -0ˢ $N,"/#0, : '0ˢ 20ˢ K "' +
"0"#ˢ $ $060) 0ˢ "#ˢ * +5 #* 1#+, &ˢ %," &= = ˢ 7 ˢ=ˢ -(‖>?N
ˢ '%#ˢ ˢ 6 2# + &ˢ 0" $,0 01ˢ %ˢ 5 H# 01ˢ +$ 1 0
+F0ˢ 5 ˢ ˢ * ˢ +$'
;*+#30'BD+* #1 '0**";#+ˢ 4#-ˢ +*'# ,$"2"2#ˢ :" . 0*ˢ :" . ,*"-(ˢ -$ $4102"<
3 ˢ -* ˢ * ˢ+ ˢ ˢ ˢ ˢ ˢ
ZACA7 ‖ ‖N (ˢ A7Aˢ 6ˢ A7I
*+'#+$ ** . 0*ˢ 2"ˢ . 0#94+Gˢ 2+ˢ " . ;01Eˢ +, 1"/2ˢ 20*ˢ ,#"3 2+-ˢ
' 0*ˢ #+101 30*ˢ 0"*ˢ 2 3+#*;*ˢ $0 . "*ˢ 20ˢ -*$#4''0"ˢ ,4;1 '0‖ˢ $(ˢ >?W

;*+#30$"# "ˢ +01ˢ *$#"-" . '"ˢ 20ˢ 0# -:0%% . (ˢ 76Aˢ 6ˢ Z766Eˢ 3 $(ˢ I1>ˢ 0ˢ I7?
;*+#30$"# "*ˢ 0*$#"-"#0 '"*ˢ 94+ˢ :03 0ˢ + .ˢ "#$4/01ˢ -"ˢ 0--"ˢ 2+ˢ AC?Vˢ B . R
,1+*ˢ -2 '0X0" ‖ ‖ 5 ˢ‖ ˢ[ˢ $F‖C>C
+ -0ˢ '01'"/#0, : '0(ˢ ‖$N, ,10*1 '0‖ˢ +ˢ 1 $$+#0# 0ˢ 2"ˢ $'5"ˢ 2"ˢ +/"15 ‖ˢ +
‖Zˢ 0A?g\ >ˢ : ˢ ˢ 6 ˢ ˢ : ˢ ‖ˢ ‖Z
Hˢ #+/ 0ˢ 1 $-"/#0, : '0%% . (ˢ 766ˢ ˢ 76WEˢ (ˢ IVDˢ +ˢ IV6 ˢ - (ˢ I7?ˢ +ˢ I7A
Hˢ $N,"/#0, : '0ˢ 20ˢ '02+ . 0ˢ +01ˢ 20*ˢ ; +-' 0*ˢ 2+ˢ ; 0ˢ 6?ˢ +ˢ 6Aˢ
, ,"*11"F#+*<
+F0<ˢ 3
0*ˢ '02+ #0*ˢ 20ˢ 0'41202+ˢ 2+ˢ . +2 ' -0ˢ 00ˢ - 3'*# 202+ˢ 2 ˢ " . ˢ
;#0 94+(+ .ˢ AVWVˢ "#0'-ˢ . 0# 202"*ˢ *+#3##‖-"*‖2 +#+-$+*ˢ
:"*, $0+*ˢ 2"ˢ +8+#' $"ˢ %% -(ˢ >6

#2+002"* 2"* ,#" +**"#+* 2+ ,# . + #0* 1+$$#0*
#2+-* + '"-/#+/0)"+* #+/410#+* ,"-$0 . +-$" 2"* -2 3 24"* 94+ 0* '" . Z
,4-:0" (,0#0 " +-* -" 2"* +*4 2"* .+-"#+* H I A > 0 I A6
+1 / "*0* ?' 2''#+$" 2+ IC 2+ . 0 " 2+ AC7>(9\$ 0 +8 -/2 0 $"2"*
"* '"-3+-$"*(. "*$+ #"*('"11+/ "*(1 "* , '"*(+ 940+*90+# '0*0*
2+#+1 / "*"* 2+ $"20* 0* "#2+-*E 4-20 . +-$"20+8 2'B0" 3 (VW\+ C?
#\$:"/#0, ; 0 ,"#\$4/4+G0 "1 ' 0 20 +" "# 0 " +#+' 20 0 '02+ . 0 +01
20* ' +##' 0* " *;"0 ,+1" *+4 *"' " "2# /" +##+ #0 20 "*10(
-\$ \$41020 % - * * * * * 4(7>7

02#+* '0\$:"1 '"* -/1+G+* 94+ *4"'+** 30 . +-1 "#0 . ,#+* 2 -2" 0 2 #+9Z
E0" 2" "11+/ " 2+ +2#" + 041" + . *;"0 . (A7C 0 A>7
20 " . ,0-: 0 2+ +*4* 5+11+* *+ 0110 -" \$"\$-" (-"* '0, \$41"*(
#+10\$ 3"* 0" '0#2+01 - 0-\$+ +-# 94+("0a P 1 +;0* '
\$10" " 0" (" 0" 3' + "*+
U # @ 0
02#"02" 20 - 3+#*1202+ 2+ " . ;#0 + . 2 +#+-1+* +/#'F0*1 #'410# 2 b \$ A
/ 20 0"*; *, "*(2+'10#0-2" 94+ *+# 0 . * +3+#0 . +"\$+ +*\$#0; :020*
940+*90+#5 24 3 20* 2 '"-\$#"3+#* 0* 0 \$01 #"* , + \$" 4(ACV 0 CC
0#\$ 20* B 0* +\$+ (2+ 1 "-*"(" *0; "E 0 ,#" ,"* " 2" #' : 3" 20 "##+
2" " . ;" F 1 4(7 0 6
0*\$"#01 2"; *, " 2" 0#0(# B 0+\$0-" #0-20"E '+\$' 2"(+ . -0# "
#+*, +\$\$ 3" 3(>7 0 >
+-*0 . +-\$"* B01/--* /+#0+* *";#+ . +\$;92"1"/ 0 30 AVC ;' AVW
: * '" . 6# + ' #4#/ 0" . "# 2" #+ -" ;"1 20 0 *40 F4# *2 %0" ('"-\$+-P
* &0 78;;' D <9 #' <8

10-" 2+ +24'0 0" 2"* . +- -"* "# 0"* + +8, "*\$"* 2" + . -0# " 2+ 0+K
\$ 0 - " 3 (V
> H +*\$42"* 20 1:0 20 +#'+ #0 BAC7I ! 3 (DW 0 6I
P ' 5 -"* #+/ . +-\$"* 2+ 0#\$1;+# 0(2+'#+102" + . ' AV?7E E 7?7
H H H ,0#0 0'*1;0* 2+ /4+1 92+ 0-\$0 0# 0 BAC7I 3 (6I 0 6>
P P #+ "# . 0 20 '02+ . 0 +01 2+ 0# -;0+ "#" . +#' " 20 ' 202+ 2"
"#\$" ,#", "*\$" ,+10 F4-\$0 20 02 . - *\$#0 0" 20 "#", 0-; 0 /+K
#01 20 0/# 941\$4#0 20* 3 -;0* 2" 1\$" "4#"(+ . ' IA 2+ . 0 "
2+ AC I7 3N ' A \$ V ' A 0 ( )730 >I?
Z #+ "# . 0 /+#01 2"* +* "2"* +10;"#02" ,"# 5 1 . + 20 0 #+\$\$ "" . "
*++#+\$0# " 20 '" . . **0" -" . +020 +2 ' A C 7 7 3 (IV 0 7?

"+44 94+ -" 0- -" 2+ ACI?*0420#0$- 01 ;+#202++ . " . ;#0(2+," * 20
. + . " 03+1 #+3" 4)0" 2+ I> 2" 0/"*$" 3(ADW 0 A6A
94+#+' $0#0 . ,"+* 0* -"* *0#24*1 1$+#0# "*20 0*0 0 2" 0*$+
1"(+ . AVW6 + AVWV . (W6 kWV

"#$4/4+G+* 94+ 0-$+* 2+ #"$+#" ,#+*$0#0 . *+#3 '"* 0 *' +-' 0 2"* 3+/+
¡+* . (7DI
-'4#"; 2"* 20 '0$01"/0/0" 20 1 3#0# 0 2+ +1 #+ " 0" 3 ((AVC
94+ 2+ 80#0 . $+*$+ . 4-1 " 2+ 0, ,1 '0 0" 0 "/40 /#+/0E0 1 -/40 :+
;#0 '0E 0* 1 -/40* 0#0; '0*(0 # '0-0* "4 2" #0* 1((I7A(I>>(ID7(
IDV
94+ +1 #+ " 0" 3 . 0-2"4 0 " . 0 ,0#0 +*$420#+ . ;+110* 0#1'* (ACA
94+ 0,#+-2+#0 . -0 - 3+#* 202+ 2+ 3"#0("4 -+110 *+ "# . 0
#0 . (AA7
94+ 2+ 80#0 . $+*$+ . 4-;" 2+ +#42 /0" ;+;#0 '0 3 . ('C? + CA

#+102"* 2" #+ -"(+ . AICCE -0" '"-$# ;4 #0 . ,0#0 0 4-20/0" 20 "
3+#* 202+ (>AV
#+2+'+**"#+* 2" ,02#+ 2+ ,++ -" . +# "# " + *0-$"+ . ,+-:" 2+20# +-Z
* -" 0"* *4#2"* + '+/"* - (IW6
# "#02"* . "#+* 20* $#+* "#2+-* . 1 $0#+* 2+ :# *$"(+-$" 2+ 3 G(+
: 0/" 20 +*,020E 0 *40 +8$ -' 0" 3(AV6
"#+ 2+ . -*$+ #"* 94+ '"-'"##+#0 . ,0#0 0 4-20 0" 20 - 3+#* 202+
2+ *;"0 (>A6
P 2" #0$"E " ,# . + #" 94+ 0** . " 2+-" . -02"E ,+**"0* 20 '0*0
#+01 94+ " "#0 . 1 (CC

3 +/ " '"-'+2 2" 0 - 3+#* 202+ ,0#0 0 . ,#+**0" 2+ 4 . '"#," 2+ 1+
/ * Œ\0" 0-$ /0 + . "2+#-0(AVC6 4(A6D 0 A6
P + '"-$#0'$" 20* '0#$0* 2+ F"/0#E 0;"1 2" ,+1" 2+'#+$" 2+ A? 2+
"4$4;#" 2+ AC7I 3 (7C
P c4+ 2#0 '"-'+2 2" 0 - 3+#* 202+ 2+ " . ;#0 2+ *+# 4 . 2"*
3+#+02"#+* 20 0 . 0#0 4- ' ,01 2+ " . ;#0 4 . 0 ,+**"0 2"
'"#," 20 - 3+#* 202+ 3(A77
g4+ *+-$030 0 - 3+#* 202+ 2+ " . ;#0 20 -*,+'/0" 2"* 01 . "
$0'+* -"* /+-+#"* ,0#0 4*" 2"* -2 3 24"* 20 . +* . 0 - R
3+#* 202+ ' -' 2+-$+(94+ 0 $01 #+*,+ $" "'''##+4 " "0--"
2+1VC7 -(ACV0 ADW

#"'10 . 0 0" 2" 2# 0-4+1 0'* 2+ #0/0" # /"*"(3 '+ #+ $"# 20 - R
3+#* 202+(+ /"3+#-02"# 2+ " . ;#0(2 # / 20 0"* ,"#$4/4+G+* -0
20$0 2+ C 2+ F41:" 2+ AC?C 3(A?V

#"3 2+-' 0 2+*$ -020 0 ,#", "#' "-0##0+ "* ,#0$ '"* 2+ -*1#4' 0" 0"* 0'4
0 3"* , "#$0# 0 2"* /"3+#-02"#'* 2" #+ -" 20$020 2+ I>
2+ "4$4;#" 2" ACAI (7CI 0 7C>
Z #+10$ 30 0 '"#0,"*)0" 2+ 4 . # 6D
'" . . +$$ 20 +$- ACAI , +1"* /"3+#-02"#+* 2" #+ -" 0" $#0
;011 " 2" 2# #+/"# " "*+ 2+ + 80* 14(7C> 0 7CC
Q ' 3 1 *02"#0* + . ; +-+ ' " 2"* , "3"* 20* , "**+**"+* 41$#0#00
-0* BAC7> 3 (6> + 6D
P +*, +' 0+* 0 #+*, + $" 20 -*$#4' 0" , 4;1 '0 + "4$#0* 94+ . +#+Z
'+ . '" . + . "#0'0" :) -#"*0 BAC77 0 AC7> 3 (6D 0 6C
H , #+1 . -0#+* 2" +*$0;+1+' . +-$" 2"* +*$-2"* -030+*((IW>
* "; #+ 0 $ *'01 *0'0, 2" +8+#' ' " 20 . +2 ' -0 + ' #4#/ 0 B * 5
$0$4$"* 20 - 3+#* 202+(2+ AVVI (7II

#"3 -' 0+* 2"* #+1+/ "*"* '0# . +1 $0* 2+*'01/"*E 01$0 2" '0# 202+(+ 04
*+-' 0 2+ *+-$. +-$"* -";#+* + /+-+#"*"*('" . 94+ *+ :"43+#0 . (
'" . #+ +#+-' 0 0" "11+/ " 2+ 20 "-'+ /0" , 0#0 "* '1+# /"*
, "; #+* (A?7 + A?>
#"3 -' 0* 1#0 . 0# -0*
+F0E (

) 4+*$ ""0# " +10; "#02" , +10 '" . , **0" +-'0##+/020 2+ , #", "#" , 0-" /+
#01 20 #+ "# . 0 20 -*$#4' /0" *+'4-20# 0E + -2 '0/0" 2" . "2" , "#
94+ "#0 . #+*, "-2 2"* "* 94+* $"* 3 -(A7> 0(A>7
) 4 -$0* 2+ +-* -" 0/# '"10 $: +"# '" + , #01 '" 3 (ID7 0 I6C

0-' : "("4 *4' 0 2+ +*$420-$+* 302 "* + 1 ; +#1 -"* 94+ *+ "##$ "4 + . " .
; #0 -" 0- -" 2+ AC?7< 6D
+01 -*$ 4" # '0-" 3(I7D 0 I7C

+'"1: . +-$, , 0#0 $#+G+ *0'+# "$+* , "; #+*<
! +F0< :
*
20* . +- -0* 2+*0 . , 0#020*('" . 0 -3"'0/ " 2+ "**0 +
-: "#0 20* "#+* + "*> 20 ' 202+ 2" "#$" ((7CC 0 7W?

+'"1; . + i 1" 20* #, ;0* 2+ ' 0G0#"(20 02' - - *$#0#0" 20 0-$ 0*0 20 '
1 *'# '"#2 0 20 ' 202+ 2" "#$" ' (7W?' 0 7WI
P 20* *'#030* 2" 0-$ ** -" 0'#0 . + -$"(-0 #40 20 "*0 20*
0#1 11 0* ' -(7WI' 0 7?W
' 2" 0-1 ** . " 0'#0 . + -$" + ** 4 . , /0"(0" 0130# " ' . (7WI'
0 7WV(>??E 3(ICAE 3 (6C
P 2+ "**0 '-;"#0 2"* -F"*E '"-:+' 2" ,+1" -" . + 2+ 0G0#"
+ $0" H ' (I??E -(>?I
H 2+ ' +2#" 2+ 1'0-$0#0 ' -(>?>E 3- (IV7
P 2+ "**0 + -:"#0 20 042+ 20 110 2" +2" -2" ' ' ""
H 2"* #, :0-* 20 ' 202+ 2" "#$"(2+-" . -02" 2+ "**0 +R
-:"#0 20 #0 0 ' 3(IC?' " ICAE 3#(6W + V?
+'"1: . + -$"* 2 3+#*"* ' ACVC 3 -(I6W 0 IV7
H H 2+ *;"0('" . ' #+ +#+-' 0 0"* 0- -"* 2+ AC7A(ACV?
+ ACVI -(>??' 0 >?I

+'#4$0 . + -$" B *+- 2+* 2" ' -" 0- -" 2+ ACA7('" . ' #+ +#+-' 0 0 -*$#4+/0"
$%B) *0 (N; ;
+20'$"#+* 20* #2+-0)"+* 1 , , -0* ' (A7A
+/+-$+* B ". P[* 20* ' 2+ 01/4-* #+'"1: . + -$"*< + . ' AC61' + AC67 ' -(7W?(
7WW(>??
+ "#. 02"# /+#01 2"* +*$42"* 2" #+ -" + ' *+-* 2" . - "* ' 3(7W7 0 7W7E >AA'
+>AI
+/ . + -$" 2" /40#20 . 6# 2"* +*$0;+1+' . + -$"* 2+, + -2+-$+* 20 '02+ 0
+01 20* ' + -' 0* 2+ *;"0' AVWI -(7W + 6?
H 2"* . +*$#+* 0#': 1+'$"* 2"* ,0/"* #+0+*(2+ A6CW(-0 ,0#$+ + .
94" $#0$0 2" +-* -" 20 0#'1 $+'$4#0 ' 3 1 (A7I' + A77
H ,0#0 0 0*0 2"* 0$:+'4 . + -"* ' A6?C ' -(AAW 0 AIA
+/ *$0 *+ 4 . ' $+*$" . 4-:" 2" 1"43"# 2+3 2" 0" #+20'$"# 2" :
' *#' "094 . ' 0#$ -* 2+ 0#301:" ' 3-(I7 + I>
+/ *$" 2"* 2 ,1" . 0* -0 *+'#+$0# 0 20* . +#' *E '" . " " ' *4;*$ $4 2"
AC77 (A7
+/#0* 2" 1# -0+* B 8, "* /0"2+ ($+-2+-1+* 0 ,#"'4#0# " 0,#"3+ $0 . + -$"
(1 $$+#0# " 2"* +*$420-$+* 20 - 3+#* 202+(+ 0 . 0-$+# 0 2 *' ,1 # 0
+ 0 "#2+#0 -0 . +* . 0E B 3 *" 2+ I> 2+ 2+G+ . ;#" 2+ AC17 %% 3(I?W

+/ 10#0+-$" 20 *'"10 1 $0# ,#"3 *"# 0 2+ -/#0' AC7? ' 3 (7 + >
T 2" 4*+4 4- ' ,01 2" "#$" ' AC7I 3 (ACI' 0 ACC
H 1 $$+#0# " + ' ,"1 ' 01 ,0#0 " +01 "11+/ " 20* #$+*(2+ II' 2+
F41:" 2+ ACIWE F4 G" '# $ '"2+ # /"*"0'020 4 . ' 2"* 0#$
/"* z (>??' 0 >?>
B #"F+'$" 2+ ' 2" 4*+4 "#$4+-*+ BAC77 ' 3 (7A' 0 D>

+/410- -$"# 2"# ;*+#30$"# "# +01# 20# $ - 3+#* 202+# 2+# " . ;#0(># 2+# 2+Z
G+ . ;#"# 2+# AVWW N(# 77# 0# 7h
H# ,0#0# 0# +/ 0# *'"10# 2+# #4#/ 0# ACID - (AV?# 0# AVI
P# ,#"3 * "-01# ,0#0# "# #+/ . +-# +# 2 #+')0"# 2"# #': 3"# 0' "-01# Z
20# "##+# 2"# " . ;"# B7?# 2+# 0;#1# 2+# ACI7 . (A7# 0# A6
,#"3 *"# "# 2"# +-* -"# 2"* /40#20* . 0# - :0*(0*, #0-$+*(+
3"14- 0# "* 20#0# . 020# +01# IW 2+# . 0# "# 2+# ACID# (>7C# 0# >>?

+ $"#+* 20# - 3+#* 202+
"3# 0"# *4''+** 30 . +-$+# 0,"-$02"* -"* '0, 41"* J $ -$++#* #

2+# 2 3+#*0* +/#+F0* 94+# '"-'"##+#0#0# ,0#0# 0# 4-20 "# 20# - 3+#
* 202+ #(>A6
+10 0"# 20* ,+**"0* 94+# " +#+'+#0 .# ,#+*+-$+* 0"# 4*+4# "#$4+-*+# 0$6 0"
2 0# A# 2+# +3+#+ #"# 2+# AC76# 3 .(I?I'0# I?>
+10$"# "# 2"# . - *$#"# 20# . 0# - :0(2+# V 2+# 2+G+ . ;#"# 2+# ACII(-0# ,0#$+# #+Z
10$ 30# 0# -*$#4 'E # -0301# + 0"# +*$02"# 20* '" *0* 20# . 0# - :0# 2+
/4+##0# , "#14/4+G0 (>76# 0# >7C
2"# . - *$#"# 2"# #+ -"(2+# 7?# 2+# 2+G+ . ;#"# 2+# ACII(-0# ,0#$+# #+
P# 101 30# 0# -*$#4' 0"# , 4;1 '0 -(76># 0# 766
IQ 0'+#'0# 2"* ";F+'1"* 0#1 *$ '"* +8 *$+-$+* -"# ,010' "# 20# + . ,"*$0(
+80 . -02"* + '10** '02"* ,"# 4 . 0# '"- . **0"# -" . +020# + .
I# 2+# . 0 "# 2+# AC>C 3 (A?6# 0# AAA
+1+30-$+* *+#3 /"* ,#+*$02"* ,"# 4 . 0# *+- :"#0# -/1+G0(. #*# :+1, *(>
'04*0# 20# -*$#4' 0"# ,# . 0# 0# 2+# . +- -0*-0' 202+# 2"# 4-' :01(3(I67#
016
+1 / "*"* 2+# # 041"# -0# 3 110# 2+# "#$+1E '" . # #+ +#+-' 0# 0# 1 02+ #0# 2+
/#0 . . 0$ '0# +1 - /40# 10$ -0# +*$0;+1+' 20# -"# #+*, +'$ 3"# '"-3+-$"# -(6>#
+,#+*+-$0/0"# 20# 4-$0# 20# 02 . - *$#0/0"# 20# " . ,0 - : 0# /+#01# 200/# '41#
$4#0# 20* 3 - :0* 2"# 1$"# "4#"(2+# ># 2"# F0-+ #" 2+# AC?7(,+2 -2"#
0# '#+0 0"# 2+# -"30* 0410*(B2+# . 0$:+ . 01 '0(2+# '" . . +#' " 2+# #0-# [
'+G# +# 2+# -/1+G# ,0#0# *+# 0'#+*'+-$0#+ . # 0* 2+# -04$ '0# ,#0$ '0(+# 2+
*+- :"# 94+# F0# :03 0 -(>?A# 0# >?7
+,#+*+-$0/0"# 2+# 01/4-* :" . +-* 2+# 1+$$#0* 0"# ,0#10 . +-$"# ,0#0# 0# '#+0/0"
2+# 4 . 0'02+ #02+1 - /4 *$ '0# /+#01# -2"P+4#", 20# 3 . (6D# 0# 6C
H# 2+# I6A# +*$420-$+* 20# - 3+#* 202+# 2+# " . ;#0(+ . # ACI7(
,+2 -2"# 1 '+-/0# 0"# *"; +#0-"# '"-/#+**"# ,0#0 *+# 0# . 0#+ .
'"-$#0# "* - . /"* 20# 1 ;+#202+# 20# +- -*410 D# AVW
+94+# . +-$"# 2"* 2"4$"#+*(;0#+ *(+Z . 0 * . + . ;#"* 94+# "#0 . # 2"#
'"#, "# . 1 $0# 0'02+ . '"# 2+# AC?C# 0# ACA?(,+2 -2"# 94+# "**+# '"-Z
#. 020# 0# '"-2+'"#0/0"# + 2 *$ -'/0"# , "# *+4# 0** /-0102"* *+#3 #
'"*
(AC6

+*+-:0 2+ ,#"3 2'-' 0* +*,+' 0+*(#+101 30* 0"* ,#" +**"#+* "4 0"* 014 . Z
-"* 20* +*'"1"* . 1 $0#+* + 2+ . 0# -;0 AVW1 0 AC I 6 -(>? 0 >?C
+*" 4B"+* B*+# + . 4 $" -$+#+**0-$+ 2+ '" . . 4- '020* 0" #+ $"# 20 - Z
3+#* 202+ 2+ " . ;#0 ,"# "*+ 2+ '0;#0 20 130 + . 03 *" 2+ IW
2+ 0-+ #" 2+ AVW? 4(AW1 0 AWV
+*,"*10 0") #+101 3" 0 3 4(A7V 0 A>7
H 2" ;# /02+ #" '"104 #0-$(+ . A> 2+ F4-:" 2+ ACAA(0" 3 '+Z
#+ "# "-$0-:0(. 4 1" :"-#"*0 ,0#0 0 - 3+#* 202+ 2+ " . Z
;#0 (AI> + AI7
+*4 . " 20* ,#"3 2+-' 0* 94+ 0* ' #$+* 2+'#'$0#0 . -" ,+# "2" 2+ ACIA 0
ACI7 0 #+*,+ $" 20 -*$#4''0" ,4;1 ' (>?C 0 >A7
H 2"**+#3 '+* ,#+*$02"* 0*1+$$#0* ,"# # 0-4"1 2" +-0'41" -(>A7
0 >AV

0#04* 1 $$+#0# ,* -0 0*0 0 2" 0*$+11" + . AVW6 + AVWV -(W7 0 WC
+')0" '" . . +#' 01 2" N'+4 0' "-01 2+ *;"0 3- (AA7(AA6 + AAV

+ . -0# " 20 '0# 202+ 2"* . '- -"* "#,:0"* B -*$ $4 2" ,+1" ,02#+ -$"R
- " 4 G 2+ 0#301:" (AIC 0 A7A< (>AV 0 >AW
2"* . +- -"* 2+*0 . ,0#02"* 20 ' 202+ 2" "#$" -(>I>
P H "#,:0"* + +8,"*$"* 2+ #0/0 3(A
P 2+ . 4* '0 20 +/#+F0 ,0$# 0#':01 2+ *;"0 (>I? 0 >I7
P 2"* "#,:0"*(-*$ $4 2" ,+1" ,02#+ /N2 " "*+ 20 "*$0 (4(A7I 0
A7 E (>I> 0 >IV
0$# 0#':01 BAC7> (3 (V?+VA
H BAV>A 0 AV77 (>CA
BAVVW 0 AVW? 5 4(A7>
P 2"* #0,0G+* ,+#2 2"*(,#" . "3 2" ,+1" ,02#+ +2#" 2+ 0#301:"
20 "-/#+/0 0" 2" #0$"# "(+ . AVVW (A77 + A76
0-$0 0$:0# -0(+ . *;"0 BA766 0 AV>A >C?
P + . +#-0':+ 2" " . 0#2 . E 4-202" ,+1" ,# -' ,+ "0"
+ . AVWA(-0 9401 202+ 2+ /#0" ,# "# 2" #0$" (-(A76 + A7V

+ . -0# "* "'+*0-"*<
-2F'0 0" 2" 94+ +G " '0#2+01 - 0-2+ +-# 94+ (A??E 3(7C
"$ ' 0* 0341*0 (3(A?W H AI?
?' 130#0 2+ A? 2" . 0 " 2+ AC?7E 0* *40* 2 *,"* /"+*(+ 0,#+' 0/0"
25"110*,+10 0'41202+ 2+ $:+"1"/ 020 - 3+#* 202+ 2+ " . ;#0 " ,"#
4 . . - *$#" 2"* -+/"' "* +''1+* 0*$ '"* + 2+ 4*$ /0 3(>7 0 DA

+ . -0# "*' 2 "'+*0-"*<
?' '0#0'$+#' 94+' 0' 1+ ' +*' 0** / -010 ' 3(' >A' 0' >7
0*$"#0!' 2"' 0#'+; *, "' 2"' #0/0' ' #' 0+$0-"' #0-20"(' *"; #+' "' 2
. -0# "' 2"' 0#0 ' 3(' >7' 0' >D
#"3 2+-' 0*' *"; #+' 0' -*$#4'/0"' 2"' '1+#"' 2+*2+' AC76W0$2' AC>C' 3(' DA' 0' D>'
+*4 . "' 1 *$"# '"' 2"*' 2 3+#*"*' *+ . -0# "*<
0*' :0*' 02F0'+-$+* ' 3(' VD(' AA7(' AAD
0*' , "**+**"+*' 41 #0 . 0# -0* ' 3(' CC' 0' A?V
"' '"-$ -"-$+' 2"' #+ -" ' ' 3(' DW' 0' C>
+*4 . "' *4; *$0-' 0!' 20*' 2+$+# . -0 2+*' 2"' q" - ' 1 "' 2"' #+-$"' *"; #+
"*' *+ . -0# "* 3(' 7>' 0' 76
"$ ' 0*' : *$"# '" +/ *10$ 30*' -"' , +# "2"' 2+' AC7>' 0' ACD7 'Y -(' IV6' 0' 7?7

"' +202+' #' : +"1"/ '0' 4* $0-0 ' 3 . (' 7?7' 0' 7I>
H' 3 1 *02"#0' 2"' 2 *1# '$"' 02 . - *$#0$ 3"' 2+' 0*$+11"' #0-'"(' 3" (' 7I>'
0' 7IV
H' 20' N, "/#0, : 0' " . . +#' 01' "#14+-*+ 34 (' 7IV
' 20*' '0*0*' 2+' *N1"' 20' - 0-' 0' 2'*301 20' 2+' *; "0(' 34 (' 7IC' 0' 77A
P' 20*' ' +-' 0*' +2 '0*' 2+' *; "0 ' 3 . ('77A' 0' 7>7
' 20*' ' +-' 0*' +2 '0*' +' 2+' $$+#0$4#0' 2"' "#$"' ' 3 (' 7>$' 0' 7>D
' 2+' /# '41$4#0' + .' *; "0 ' . (' 7>D' 17>V
H' 2+' "#$ '41$4#0' "#$4/4+G0 ‖ 3 . (' 7>V
H' 2+' -*$#4' 0"' , # . 0# 0' +#0' *; "0' BAC7> ' 3 (' VA' 0' V7E' 3 . (' 7>V
0' 7DA
P' 2+' 24'0/0"' 2+' 0# *' + .' ACAW' +' AC1? ' (' 171' 0' 17D
P' 2+' 41: +#+*' 3 #$4"*0*' , 0#0' 0' +24'0 0"' 2+' . +- -0*' , "; #+*' 20
'0, $01' +' *+4*' *4; 4#; "*' AC7I Z' 3(' 7CW' 0' 7WA
H' 2"*' . /"*' 20*P + $#0*' +' #$+*' + .' ' /4+1 3 . (' 7DA 0' 7DC
P' 2"*' . /"*' 20*' +$$#0*' + .' *; "0 3 (' 7DW‖0' 76A
' '"-" . '0' 2"*' ; "-*' '" . , 0$# "$0*(' 0 . /"*((2"' ; + .' , 4; 1 '"' ' +
$0; +1+' 20' -0' 110[2+' "-$+' 2+' . 0 ' -([A7VZ0' A7W
Z' *' "10*$ '" : 1" . 0$ '0< 3 . ('761' +' 767
H' 1"#0' +' " . "-0' + ' ' ' 3 0('76>' 076
' 4-' : 01+-*+' 20*' 0#$+*' +' 20*' *' +-' 0* (' A77
F' $$+#0# 0' 4; 4' ' 0-0 3(' A7>' 0' A>A
P' *' "10* '" ‖ ' : 0+1+-*+ 3 . (' 761
H' +#01' 2"*' -04 #0/ "* 3 ‖(' P76V
' 4# 2 '0' 2+' *; "0 ' 3- (' 76C' a'7V?
P' 4# 2 '0' "#$4+2*+ P (' 7VA' +' 7VI
P' $$+#0# 0' 0$# "$ '0' 2+' *; "0 ' 3‖(' AIC' 1' A77
H' $$+#0# 0' 0$# "$ '0' -0' 3 110' 20' "3 11 0 ' 3(' A7>
H' 0$# "$ '0' -0' 3 110' 20' 1 0-2+/0' 20' + 3(' A77' +' A7>

)

"' "* 20 '02+ . 0 +01 20* ' +-' 0* 2+ *;"0<
2+ 94+ *+ '" . ,4-:0 0 2+,4$0 0" +-'0##+/020 2+ '" . ,# . +-10# +1
#+ " "0"3 - " " 2+ 0-+ #" + . ACAC 4(7I>
2+ 946 *+ '" . ,4-:0 0 '" . . **0" +-'0##+/020 2+ *0$ * 0G+# 0" ,+Z
2 2" 2" '0301:+ #" 2+ 0 -$ 110 * -(7>>
2+ 94+ *+ '" . ,4-:0 0 '" . . **0" +-'0##+/020 2+ 0-01N*0# 0 94 -0
2" #0* 1 -(7?7
94+ 2+ 80#0 . ;" . - " . + -0* . + . "# 0* *";#+ 0**4 . ,$"* *' +-$ '"* IWD
+ 1 $$+#0# "* I
94+ 011+'+#0 . + . ACAC (77V
94+ "#0 . 022 '' "-022* 0 '" . . **0" 2"* ,+*"* + . +2 20* (7?V(7AV
94+-"*0--"*2+ AC?C0 ACA?'*'#+3+#0 . + . "# 0* -$+#'**0-$+* (7??
94+ -"* 0--"* 2+ ACAA + ACAI 2030 . . "*$#0* 2+ 1"4303+ 0, ,1 '0Z
/0" $(7?D
94+ -0 9401 202+ 2+ 0'41$01 3"* ,#+*$0#0 . ;"-* *+#3 "* (7?D(7?V
94+ ,#"'+2+#0 . 0 -3+*$ /0 "+* : *$"# '0* (W>II
94+ + . ACI7 0,#+*+-$0#0 . $#0;01:"* . , ,# 0-$+* (766
"' "* 20 "30 #'02 0 -(I>
+F0E " - " 94+ $"'0 0 +*$0 0'02+ . 0 ,"*$+# "# . +-$+ 0" 0-- "
2+ ACI7E + + . /+#01 0 #+*,+ $" 20* 2+ . 0 * *"' +202+*('"#,"#0
%"+*(+$'

"1+ . - 202+ . 4 $" 14G 20 '" . 94+ +1 #+ " "0" 3 ,#+*$"4E - " " 2+
0-+ #"(" F4#0 . +-$" 2+ ,#"$+'$"# 20 - 3+#* 202+ 2+ " . ;#0 3(ADI
+ AD7
4;* 2 " $$+#0# " (III(7VVE (W(C(IAC(IIW(I76(>DI
4;* 2 +* ,0#0 " +*$42" 2" F"#-01 * . " + . "#$4/01 (3- (>C 0 D?
4;*$0-' 01 #+*4 . " 2+ ,#"3 2+-' 0* ,0#0 ,#" . "3+# " +-* - " + ,#"/#+**"
20 0/# '41$4#0 3(A6W 9 AW>
N-"2" 2+ 0 . ,+# '+1+;#02" + . ADWW ,+1" 0#'+; ," . + #", "1 $0-;' 2+ 5
"0(# 1+ 8" 2+ -+G+* 3(?I , W7
N-", *+ :#"-"1"/ '0 ,"# 0-0 3 . (>AD

0':N/#0,:0 +F0E 8 ! 1D *
#0;01:"* +"2+* '"* + . "#$4/01((A7W(7A>E 3(IAI 0 IIDE 3(ICC 0 IW?(
(V7 + V>
#024' "+* 2" /#+/" + . ,"#$4/4+G -"* 41$. "* 0--"* 2" *''41" 83 . 0$
0" 0--" 2+ ACAW (AV + AC

I

#042"*' ,"1 $ '"*' B "11+' 0"' 2"' 2+' "#$4/01
+F0<' * ' ' '* ' ' 1 ' ' '* ' '

N,"/#0,: 0' '01'"/#0,; '0($N,",10*$ '0' +' 1 $$+#0# 0' 2"' #'"' 2"' +/"
+F0<' : ' ' ' ' ' :
N,"/#0,: 0' 20' '02+ . 0' +01' 20*' ' +-' 0*' 2+' *;"0(4(DW(6?(IV7(76V(
76C

" 3+#* 202+' 2"' " . ;#0<
40' "#/0- *0 0"' 2+*2"' "' #" -02"' 2+' ' - G' 0$2' ' "0"' . ' (>AD' 0' >DV'
"$0' ':#"-"1"/ '0' *";#+' 0' *40' $#0-* +#+-' 0' + .' 2 3+#*"*' ,+# "2"*' (>DV'
+>DC
+*2+' ' - G' 0 6' ' "*+ ' (II(ID(6W(7>D(>I>(>7V(>>C
+* /-020 . +-$"' 2+*2+' ADC?' 0' A6>?' #+ -02"*' 2"*' 1 , ,+* ' $(AAV' 0' A7V
"' #+ -02"' 2+' ' "*2' BAV ?' 0' AVVV (7>D' 0' >A7
"' #+ -02"' 2+' ' 0# 0' ' BAVVV' 0' AVWI -(A>7' 0' IAI
+' AVWI' 0' ACI6' B # -' ,+' ' "0"' +' ' "0"' 3 ' 3(A' 0' IAI
+' ACI6' 0' ACIC' B - 0-$0' ' *0;+1' 0# 0 ' 3(IW?' 0' 7II
+' ACIC' 0' AC7>' B?' *#' - 0-$+' ' /4+1' 2+' #0/0-/0' ' 3(7WI' 0' >I7'
+' AC7I' 0' AC7>' B +/+-' 0' 2+' ' ' ' "' 2494+' 2"' #0/0-/0 ' 3 (VD' 0' VW

- 3+#* 202+' 2+' 3"#0 (A?I' 0' AA6
P' 2+' +N2+-' B "110-20 E' * . ,1+*' 0,"-$0 . +-$"' 20' '" . . + . "'
#0/0"' 2"' *+4' $# '+-$+-0# "' + .' 94+' "' #+,#+*+-$020' 0' - Y
3+#* 202+' 2+' " . ;#0 3(IW7' 0' IWD
' 2+' *;"0($(II(ID(IC(IW(7A(>?(>I ' >D ' D?(DI(6C(>7C'
>>C

Digitized with financial assistance from

on 15 October, 2018